

EXHIBIT D

SUPREME COURT OF THE STATE OF NEW YORK
COUNTY OF ERIE

MEDAILLE COLLEGE,

Plaintiff,

Index No. 806451/2021

v.

PVS CHEMICALS, INC. and
PVS CHEMICAL SOLUTIONS, INC.,

Defendants.

**MEMORANDUM OF LAW IN SUPPORT OF MEDAILLE'S
MOTION FOR A TEMPORARY RESTRAINING
ORDER AND PRELIMINARY INJUNCTION**

Respectfully submitted,

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PRELIMINARY STATEMENT

Plaintiff Medaille College (“Medaille”)¹ submits this Memorandum of Law in support of its motion by Order to Show Cause for a Temporary Restraining Order (“TRO”) and a Preliminary Injunction restraining and enjoining Defendants PVS Chemicals, Inc. and PVS Chemical Solutions, Inc. (together, “PVS”), their agents, partners, employees, representatives, lessees, sublessees, and assigns, and all persons, partnerships, companies and corporations acting with them, or pursuant to their direction (together, also defined as “PVS”), from continuing their operations and emissions at their premises (the “Plant”) until PVS demonstrates that it can and will permanently stop producing, or permanently stop causing or allowing, excessive SO₂ emissions from entering the Medaille College Sports Complex at Buffalo Color Park (“Sports Complex”) and surrounding Seneca Babcock Community, such that, at all times, there shall be no SO₂ Exceedances and/or, consistent with NYSDEC’s demand on May 14, 2021, from engaging in ongoing operations of the PVS Plant, unless and until PVS is able to undertake operational modifications and/or production level reductions to operate in a manner that does not violate the Acute Exposure Guideline Levels for SO₂ and does not otherwise cause or contribute to air pollution related to SO₂ emissions that may cause a risk to human health.²

Beginning in the spring of 2019, Medaille received several complaints of physical health issues from its employees and students, as well as residents that lived close to its Sports Complex. The physical health issues complained of included eye irritation and

¹ Any capitalized terms, to the extent not defined herein, are defined in the Schmidt, Macur, and Black affs.

² Although the requested limit on PVS’s exceedance is pleaded in the alternative, PVS will still be violating its Permit if it has any SO₂ emissions greater than zero (0). Black aff. ¶ 20.

respiratory discomfort. Medaille also received complaints that the noxious SO₂ odors and smoke emanating from the PVS Plant literally left a “bad taste” in their mouths.

The Sports Complex hosts a large and diverse population. It is the practice and competition home of Medaille’s men’s and women’s soccer, men’s and women’s lacrosse, and women’s field hockey teams. Medaille’s men’s baseball and women’s softball teams also use the Sports Complex for practice. Also, Medaille makes the Sports Complex available for rent by athletic organizations and community groups separate from Medaille.

Following those complaints, Medaille, in concert with South Buffalo Development, LLC (“SBD”), the owner of the Sports Complex, started monitoring the air quality at the Sports Complex to ascertain the amount of SO₂ that entered the Sports Complex from PVS’s Plant, which is adjacent to it. The monitoring revealed that PVS’s SO₂ emissions were grossly excessive. Medaille thereafter, through counsel, sent written communications to PVS demanding that PVS cease and desist from emitting excessive and harmful levels of SO₂ onto the Sports Complex. PVS initially decreased its rate of emission after receiving Medaille’s first demand. Not too long after decreasing its rate of emission, however, PVS increased the SO₂ it emitted to levels higher than those Medaille initially complained of.

Because PVS continued its harmful release of excessive SO₂, Medaille and SBD referred the matter to the New York State Department of Environmental Conservation (“DEC”), who after investigating PVS’s emission rate, commenced a proceeding and served PVS with a Notice of Hearing and Complaint (“Complaint”) seeking to enjoin PVS from emitting SO₂ in violation of its Title V Air Permit (“Air Permit”) and order PVS to make necessary repairs to ensure permit compliance.

PVS, nevertheless, continued its excessive SO₂ emissions. Because these emissions continued to escape into the Sports Complex, the Erie County Department of Health, on May 14, 2021, instructed Medaille to stop all activities there. This further irreparably harms Medaille, and is based on and accentuates the irreparable harm that Medaille continues to suffer due to PVS's continued pollution. Although the DEC issued PVS a cease and desist order ("Cease and Desist Order") demanding that PVS bring itself into compliance, PVS's past and ongoing misconduct and open admissions demonstrate that, absent a TRO and Preliminary Injunction, PVS will continue to irreparably harm Medaille and the surrounding community.

If the Court allows PVS to continue emitting SO₂ at its current rate, the Sports Complex will be forced to close indefinitely, causing Medaille to forfeit its intended use, lose business relationships, rent, goodwill, and market share. This would pose a fiscal threat to Medaille's viability. Also, a large number of people and entities in the surrounding area, including Medaille, will be exposed to health hazards. The inconvenience that PVS will claim it may experience if ordered to reduce its SO₂ emissions is minute in comparison. This is especially so because PVS can still successfully operate its business and comply with safe emission rates as stated in its Air Permit. PVS has reduced its SO₂ emission rate in the past and can do so now if the Court orders it.

STATEMENT OF FACTS

The facts are set forth in the Affidavits of Dr. Kenneth M. Macur ("Macur aff."), John Black, P.E. ("Black aff."), and John G. Schmidt Jr. Esq. ("Schmidt aff."), each with exhibits and sworn to May 17, 2021.

ARGUMENT

The Court should grant a TRO on a showing that “immediate and irreparable injury, loss or damages will result unless the defendant is restrained before a hearing can be had” CPLR 6313. The Court should grant a preliminary injunction where a plaintiff shows: “(1) a probability of success on the merits; (2) danger of irreparable injury in the absence of an injunction; and (3) a balance of equities in its favor”. Cangemi v. Yeager, 185 A.D.3d 1397, 1398 (4th Dep’t 2020) (internal quotation marks omitted); Gambar Enters., Inc. v. Kelly Servs., Inc., 69 A.D.2d 297, 306 (4th Dep’t 1979)).

POINT I

MEDAILLE WILL LIKELY SUCCEED ON ITS CLAIMS

A. Medaille’s private nuisance claim will likely succeed because PVS substantially, intentionally, and unreasonably engaged in misconduct that interferes with Medaille’s property rights and creates a health hazard

A plaintiff will succeed on a claim for private nuisance where it shows that defendant’s interference: (1) is substantial in nature, (2) is intentional in origin, (3) unreasonable in character, (4) is with a person’s property right to use and enjoy land, (5) is caused by defendant’s actions or failure to act. Cangemi, 185 A.D.3d at 1399. A plaintiff also has a viable nuisance claim where defendant causes toxic or noxious gases to enter from defendant’s land to plaintiff’s land. Campbell v. Seaman, 63 N.Y. 568, 568 (1876). “To demonstrate a likelihood of success on the merits, it is sufficient for the moving party to make a prima facie showing of his or her right to relief and the actual proving of the case should be left to the full hearing on the merits”. Cangemi, 185 A.D.3d at 1398 (internal citations and quotation marks omitted).

Here, it is very likely that Medaille will succeed in a private nuisance claim against PVS, thus warranting the grant of its motion.

1. PVS’s interference is substantial in nature, extensively documented, extending over long periods of time, and causing the suspension of use of the Sports Complex

An interference is substantial in nature where it is not merely “fanciful, slight or theoretical, but certain and substantial, and . . . interfere[s] with the physical comfort of the ordinarily reasonable person”. [Cangemi, 185 A.D.3d at 1399](#); see Nuisance (PJI 3:16) (an interference is substantial in nature where it is “[r]eal and noticeable rather than imagined, trivial, or petty”). The test is not whether a plaintiff is disturbed or annoyed, but whether “a reasonable person in the same area would be annoyed or disturbed by the interference.” Nuisance (PJI 3:16). This generally requires continuity or recurrence of objectionable conduct. [Taggart v. Costabile, 131 A.D.3d 243, 246 \(2d Dep’t 2015\)](#); [Zimmerman v. Carmack, 292 A.D.2d 601, 602 \(2d Dep’t 2002\)](#) (holding a valid nuisance claim was established where “defendants continuously and intentionally allowed the improper and unlawful accumulation of dog waste and garbage, including soiled diapers and rotting food, immediately adjacent to plaintiffs’ property”).

Here, PVS’s interference is not merely “fanciful, slight or theoretical,” but real, certain, and noticeable. [Cangemi, 185 A.D.3d at 1399](#); Nuisance (PJI 3:16). Also, it has occurred so repetitively that any reasonable person in Medaille’s position would be disturbed or annoyed by PVS’s actions. [Taggart, 131 A.D.3d at 246](#); [Zimmerman, 292 A.D.2d at 602](#); Nuisance (PJI 3:16).

As stated in the supporting affidavits, Medaille, as tenant, operates a Sports Complex at 427 Elk Street, Buffalo, NY 14210. Macur aff. ¶ 3. Directly adjacent to the

Sports Complex is the Plant that PVS operates. Macur aff. ¶ 7. The Plant, among other things, manufactures sulfuric acid. Macur aff. ¶ 8. Through that manufacturing process, PVS emits sulfur dioxide (“SO₂”), which escapes PVS’s factory and enters the Sports Complex. Macur aff. ¶¶ 8, 9; Black aff. ¶¶ 6-8. SO₂ in ambient air can harm the human respiratory system and negatively affect breathing, even if exposure to the gas is short term. Complaint, Ex. A (DEC’s Notice of Hearing and Complaint) ¶ 41 (“Short term exposure to SO₂ can harm the human respiratory system and affect breathing”). That risk of harm increases tremendously when SO₂, which is measured in parts per billion (“ppb”), is emitted into ambient air at an excessive rate. *Id.*

Where the rate of a factory’s SO₂ emissions exceeds the air emissions permit issued by the DEC (“Air Permit”), it is deemed excessive. Black aff. ¶ 14; Schmidt aff. ¶ 19, Ex. B. PVS’s Air Permit requires that PVS comply with the “1-hour sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS) which is 75 ppb (99th percentile of 1-hour daily maximum concentrations, averaged over 3 years) which is equivalent to 196.5 microgram per cubic meter.” Black aff. ¶ 11, Ex. B, at 27. In violation of that requirement, however, PVS has continually emitted SO₂ at a rate of no less than 50 parts per billion (“ppb”), regularly greater than 100 ppb, and often significantly higher than 400 ppb. Schmidt aff. ¶ 23, Ex. C at 1; Black aff. ¶ 9. Those rates of SO₂ emission not only violate PVS’s Air Permit, they also grossly exceed the 75 ppb ceiling.

The transfer of such grossly excessive and hazardous SO₂ from the PVS Plant to the Sports Complex substantially interferes with Medaille’s use and enjoyment of the property. Macur aff. ¶¶ 9-11, 17, 21, 23. Beginning in early 2019, Medaille received several complaints of smoke, noxious odors, and physical health effects from its employees and

neighboring residents. Macur aff. ¶ 9. The effects included eye irritation, respiratory discomfort, and a “bad taste” in the mouths of those who came in contact with the SO₂ emissions. Complaint ¶ 2, 36.

Medaille, in concert with its landlord, SBD, started monitoring the air quality to ascertain the amount of SO₂ that entered the Sports Complex from the PVS Plant. Macur aff. ¶ 10; Black aff. ¶ 7. The monitoring revealed that PVS’s SO₂ emissions were grossly excessive. Black aff. ¶ 9. Medaille thereafter, through counsel, demanded that PVS cease and desist from emitting excessive and harmful levels of SO₂ onto the Sports Complex. Schmidt aff. ¶ 7. The levels of SO₂ detected and recorded after Medaille’s first demand to PVS initially decreased. Schmidt aff. ¶ 9, Ex. A (letter dated August 12, 2019). Not long after, however, PVS increased its emissions to even higher levels than before. Black aff. ¶ 17.

Despite Medaille’s demands, PVS willfully continued its release of excessive SO₂ into the Sports Complex. Schmidt aff. ¶¶ 9-10, Ex. A; Black aff. ¶¶ 9, 14, 16-17, Ex. A. Medaille and SBD thereafter sought DEC’s intervention. Macur aff. ¶ 13. After investigating PVS’s emission rate and finding them to be ongoing and excessive, DEC commenced a proceeding and served PVS with a Complaint, seeking to enjoin PVS from emitting SO₂ in violation of its air quality permit and direct PVS to make necessary repairs to ensure permit compliance. Macur aff. ¶¶ 14, 15; Complaint, Ex. A. PVS nevertheless continued and often increased its SO₂ emissions. Schmidt aff. ¶ 25, Ex. C at 1; Macur aff. ¶ 16; Complaint, Ex. A ¶ 78.

Because PVS’s excessive emissions continued to escape from PVS’s Plant into the Sports Complex, the Erie County Department of Health, on May 14, 2021, orally

instructed Medaille to stop *all activities* at the Sports Complex. Macur aff. ¶ 19. That oral instruction was followed with a May 15, 2021 writing. Macur aff. ¶ 20, Ex. A. These instructions arise directly and solely because of PVS's ongoing SO₂ emissions, which substantially interfere with Medaille's property right to use and enjoy the Sports Complex. That harm continues. Despite the DEC Cease and Desist Order, the past conduct of PVS, and its recent statements to the media demonstrate the need for injunctive relief. Complaint, Ex. C.

2. PVS's excessive emissions are indisputably intentional, and it knows that these emissions interfere with use of the Sports Complex

Interference with a plaintiff's use and enjoyment of land is intentional in origin where the defendant "(a) acts for the purpose of causing it; or (b) knows that it is resulting or is substantially certain to result from his conduct". Higgins v. Village of Orchard Park, 277 A.D.2d 989 (4th Dep't 2000) (granting plaintiffs an injunction and summary judgment for private nuisance) (internal quotation marks omitted); Chelsea 18 Partners, LP v. Sheck Yee Mak, 90 A.D.3d 38, 43 (1st Dep't 2011) ("the intentional element [can be] satisfied simply by a defendant's knowledge that interference with use and enjoyment will be the result of his/her intentional act").

The fact that the alleged interference is merely a product of defendant's use of its premises in furtherance of its own commercial purposes does not obviate intentionality. 61 W. 62 Owners Corp. v. CGM EMP LLC, 77 A.D.3d 330, 334 (1st Dep't 2010), *aff'd as mod. and remanded*, 16 N.Y.3d 822 (2011) (plaintiff "also demonstrated that the noise was intentional and caused by another's conduct because it was a product of the bar's use of the outside roof deck in furtherance of its own commercial purposes").

Here, PVS's excessive SO₂ emissions are indisputably intentional. It is also indisputable that PVS knew and continues to know that its excessive SO₂ emissions enter the Sports Complex and neighboring properties and interfere with Medaille's use and enjoyment of the Sports Complex. Black Aff. ¶ 17 (affirming that PVS continued its excessive emission of SO₂ and even increased it although it received communications from Medaille and SBD, and DEC demanding that PVS cease and desist from emitting excessive and harmful levels of SO₂ onto the Sports Complex); Schmidt aff. ¶ 7, Ex. A.

3. PVS's interference--its harmful and excessive SO₂ emissions--is facially unreasonable, and has been determined as such by DEC and DOH

Where a defendant's interference with a plaintiff's use and enjoyment of the property is continuous, excessive, and affects the enjoyment of life, health, and property, courts may hold that such interference is unreasonable. *Dixon v. New York Trap Rock Corp.*, 293 N.Y. 509, 513 (1944) (holding that excessive blasting at defendant's premises, which was bound to continue, "constitute[d] an 'unreasonable' interference with the land of the plaintiffs"); *Zimmerman*, 292 A.D.2d at 602 (plaintiff had a valid nuisance claim where "defendants continuously and intentionally allowed the improper and unlawful accumulation of dog waste and garbage, including soiled diapers and rotting food, immediately adjacent to the plaintiffs' property").

This is true even if no prior determination had been made by a governmental agency that the defendant violated the law. *61 West 62 Owners Corp. v. CGM EMP LLC*, 77 A.D.3d 330, 334 (1st Dep't 2010), *aff'd as modified*, 16 N.Y.3d 822 (2011), *on remand*, 86 A.D.3d 403 (1st Dep't 2011).

Here, Medaille demonstrates that PVS's interference with Medaille's use and enjoyment of the Sports Complex is unreasonable. First, the proof demonstrates that PVS is palpably exceeding its allowable emission rate, is exceeding the limits of its Air Permit (and continued and even increased after it knew Medaille and SBD undertook emissions monitoring and demanded that the excessive emissions cease and desist, and after DEC commenced a proceeding related thereto). Complaint, Ex. A ¶ 78; Black Aff. ¶¶ 17, 18, Ex. A; Schmidt aff. ¶ 7, 9-10, Ex. A; Macur aff. ¶ 16.

Also, the effects of the emissions are not benign. This is facially established by the DOH letter to Medaille to suspend activities at the Sports Complex because of the emissions. Macur aff. ¶ 20, Ex. A. Until a TRO and injunction are entered restraining PVS's excessive emission rates, the irreparable harm will continue.

B. Medaille's public nuisance claim will likely succeed because Medaille suffers special injury as a result of PVS's toxic and excessive emissions

The New York Court of Appeals defines a public nuisance as conduct or omissions which endanger or injure the property, health, safety or comfort of a considerable number of persons. 523 Madison Ave. Gourmet Foods, Inc. v. Finlandia Ctr., Inc., 96 N.Y.2d 280, 292 (2001). A private person or entity may bring a cause of action for public nuisance "if it is shown that the person suffered special injury beyond that suffered by the community at large." *Id.*; Leo v. General Elec. Co., 145 A.D.2d 291, 294-95 (2d Dep't 1989) (commercial fishermen could viably bring a claim for public nuisance because the harm they suffered went beyond the harm done them as members of the community at large). The cause of action may include a request for injunctive relief. Graceland Corp. v. Consol. Laundries Corp., 7 A.D.2d 89, 91 (1st Dep't 1958), *aff'd*, 6 N.Y.2d 900 (1959) ("one who suffers damage or

injury, beyond that of the general inconvenience to the public at large, may recover for such nuisance in damages or obtain injunction to prevent its continuance”).

Here, Medaille will likely succeed in its public nuisance claim against PVS, because PVS’s excessive pollution not only creates hazards to the neighboring community at large, but also caused special injury to Medaille--e.g., DOH’s direction to Medaille to suspend operations, causing loss of and damage to business relationships, rent, goodwill, and market share through the intended use of the Sports Complex.

C. Medaille’s tortious interference claim will likely succeed because PVS’s excessive emissions has caused Medaille to lose contracts related to the Sports Complex

“[T]o recover damages for tortious interference with prospective business relations, a plaintiff must demonstrate both ‘wrongful means’ and ‘that the wrongful acts were the proximate cause of the rejection of the plaintiff’s proposed contractual relations.’” Pacheco v. United Med. Assocs., P.C., 305 A.D.2d 711, 712 (3d Dep’t 2003) (citation omitted).

Here, Medaille will likely succeed in its claim against PVS for tortious interference. Even before the Sports Complex was constructed, PVS knew that Medaille intended to rent it for a fee to others that desired to use it for athletic events. Complaint ¶ 98. During and after the Sports Complex’s construction, PVS knew that Medaille, its students, visitors, and sublessees used and operated it. Schmidt aff. Ex. A (cease and desist letters informing PVS, among other things, that the Sports Complex “was in continuous use by college, high school and area athletic teams.”) PVS likely knew that Medaille entered into contracts with different sports entities who wanted to use the Sports Complex and that Medaille had a rental form on its website to facilitate rental to anyone who successfully applied to use the Sports Complex. Schmidt aff. Ex. A; Complaint ¶ 22. Yet, PVS continued its wrongful emission of excessive SO₂ into the Sports Complex, thus causing

individuals and entities to abandon proposed contractual relations with Medaille and crippling Medaille's ability to rent the Complex through its website.

POINT II

MEDAILLE WILL SUFFER IRREPARABLE INJURY WITHOUT A TRO AND PRELIMINARY INJUNCTION

"Irreparable injury, for purposes of equity, has been held to mean any injury for which money damages are insufficient." McLaughlin, Piven, Vogel, Inc. v. W.J. Nolan & Co., 114 A.D.2d 165, 174 (2d Dep't 1986). Although economic loss that is compensable by money damages does not, generally, constitute irreparable harm, the loss of business relationships, goodwill, and market share does constitute irreparable harm. Second on Second Cafe, Inc. v. Hing Sing Trading, Inc., 66 A.D.3d 255, 257 (1st Dep't 2009) ("tenant will suffer irreparable harm (namely, the loss of the use of its kitchen and the loss of its liquor license) absent such provisional relief"); People v. Anderson, 137 A.D.2d 259, 271 (4th Dep't 1988) ("Plaintiff should not be required to suffer further economic harm by loss of goodwill and patronage during the pendency of the action").

Irreparable harm is also shown where "defendants' interference with plaintiffs' businesses could not adequately be compensated by monetary damages because of the difficulty in proving how many individuals would have been deterred from patronizing those businesses as a direct result of defendants' conduct." Anderson, 137 A.D.2d at 271.

Further, irreparable injury is shown where the pollution complained of palpably exceeds the allowable limits. Zimmerman, 292 A.D.2d at 602; Stiglianese v. Vallone, 168 Misc. 2d 446 (Civ. Ct., Bronx Cnty., 1995), *revd* 174 Misc. 2d 312 (App. Term, 1st Dep't 1997), *revd and judgment reinstated* 255 A.D.2d 167 (1st Dep't 1998) (irreparable harm shown by establishing that the noise was approximately four times the legal limit).

Indeed, “[a] plaintiff may demonstrate irreparable harm [in nuisance cases] where, for example, a defendant encroaches upon the plaintiff’s property, blocks the plaintiff’s access to a private drive, or in some way threatens the destruction of the plaintiff’s property”. [Cangemi, 185 A.D.3d at 1400](#) (internal citations omitted). The likelihood of the defendant’s nuisance continuing, and the extent to which it is certain, substantial, and disruptive of a reasonable person’s physical comfort, also reinforces the irreparability of the plaintiff’s injury. [Id.](#) at 1399. The irreparable harm requirement is also satisfied where a plaintiff demonstrates “an immediate threat to their physical safety and that of their employees, injuries which potentially could be irreparable.” [Anderson, 137 A.D.2d at 271](#).

Here, Medaille demonstrates irreparable harm warranting an injunction. Similar to the tenant in [Hing](#) and the bingo and gasoline business operators in [Anderson \(137 A.D.2d at 262-63, 271\)](#), Medaille will suffer irreparable harm, namely the loss of the use of the Sports Complex, absent an injunction restraining PVS from excessively emitting SO₂. Medaille will also lose business relationships, patronage, and goodwill with sports entities or other individuals who use the property.

Further, the health hazards of PVS’s continued excessive SO₂ emissions onto the Sport Complex clearly establish irreparable harm. PVS’s excessive SO₂ emissions are disruptive of a reasonable person’s physical comfort ([Cangemi, 185 A.D.3d at 1399](#)) and inflict “an immediate threat to [the] physical safety [of Medaille’s agents and] employees, injuries which potentially could be irreparable.” [Anderson, 137 A.D.2d at 271](#).

Critically, similar to the noise pollution in [Zimmerman](#) and [Stiglianese](#), the SO₂ pollution here far exceeds the legal limit set by DEC, consequently satisfying the irreparable harm element. Moreover, the likelihood of PVS’s nuisance continuing, and the extent to

which it is certain, substantial, and disruptive of a reasonable person's physical comfort, also reinforces the irreparability of Medaille's injury, thus warranting the requested preliminary injunction. Cangemi, 185 A.D.3d at 1399; Zimmerman, 292 A.D.2d at 602.

Additionally, even if Medaille's irreparable harm argument fails (it should not), Medaille is still entitled to a TRO and preliminary injunction based on its public nuisance claim, for which Medaille is relieved from the general requirement to show that it lacks an adequate remedy at law. Wall St. Garage Parking Corp. v. New York Stock Exch., Inc., 10 A.D.3d 223, 227 (1st Dep't 2004) ("because a public nuisance is inherently a condition for which the law provides a remedy, the proponent of the injunction is relieved from the general requirement to show that it lacks an adequate remedy at law").

POINT III

THE BALANCING OF EQUITIES IS IN MEDAILLE'S FAVOR

In balancing the equities, the Court must determine whether the harm the plaintiff will suffer exceeds the purported harm or inconvenience to the defendant. Felix v. Brand Serv. Grp. LLC, 101 A.D.3d 1724, 1726 (4th Dep't 2012). If such harm weighs in plaintiff's favor, a preliminary injunction should issue. Id. at 1726.

Here, there is no harm to PVS if it is ordered to reduce its SO₂ emissions rate. Black aff. ¶ 17, 18, Ex. A (demonstrating control and feasibility). PVS has the capacity to stop its excessive SO₂ emissions in compliance with its Air Permit and still conduct business successfully. It has, in fact, temporarily ceased its excessive emissions in the past. Black Aff. ¶ 17, 18, Ex. A; Schmidt aff. ¶ 8, 9, Ex. A (letter dated August 12, 2019). Thus, even if PVS suffers harm or inconvenience as a result of a temporary injunction, the harm or inconvenience it will sustain will be less than the harm Medaille will suffer if PVS continues

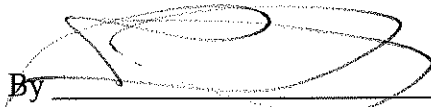
to violate its Air Permit and cause the Sports Complex to be shut down as a result of the excessive pollution. It is anticipated that PVS's arguments in opposition to a TRO and Preliminary Injunction will be, essentially, that Medaille somehow assumed the risk by locating the Sports Complex at its current location. To the contrary, instead of blaming one of the victims, PVS should comply with the law and stop its harmful, excessive, and disturbing emissions--which is not unreasonable to ask of one's neighbors.

CONCLUSION

For the foregoing reasons, this Court should grant a TRO and a Preliminary Injunction in Medaille's favor.

Dated: Buffalo, New York
May 17, 2021

PHILLIPS LYTTLE LLP

By 

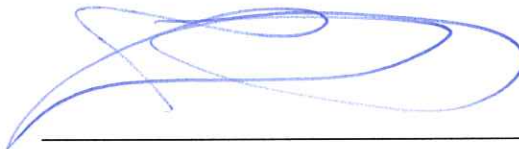
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CERTIFICATE OF COMPLIANCE WITH COMMERCIAL DIVISION RULE 17

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DATED: Buffalo, New York
May 17, 2021

A handwritten signature in blue ink, appearing to read "John G. Schmidt Jr.", is written over a horizontal line.

John G. Schmidt Jr.

SUPREME COURT OF THE STATE OF NEW YORK
COUNTY OF ERIE

MEDAILLE COLLEGE,

Plaintiff,

vs.

PVS CHEMICALS, INC. and
PVS CHEMICAL SOLUTIONS, INC.,

Defendants.

**AFFIDAVIT IN
SUPPORT OF MOTION**

Index No. 806451/2021

Motion No. 1

STATE OF NEW YORK)
) ss:
COUNTY OF ERIE)

Kenneth M. Macur, Ph.D., being duly sworn, deposes and states:

1. I am the President of Plaintiff Medaille College (“Medaille”) and have personal knowledge of the facts below.
2. I respectfully submit this affidavit in support of Medaille’s Motion for a Temporary Restraining Order and Preliminary Injunction against Defendants PVS Chemicals, Inc. and PVS Chemical Solutions, Inc. (together, “PVS”), as described in the accompanying Order to Show Cause, filed May 17, 2021.
3. Medaille operates a state of the art athletic facility at 427 Elk Street, Buffalo, New York, known as the Medaille College Sports Complex at Buffalo Color Park (“Sports Complex”). Medaille is the tenant of the real property’s owner, South Buffalo Development, LLC (“SBD”).
4. The Sports Complex consists of fields for soccer, lacrosse, and other sports, with lighting, artificial turf, bleacher seating for 500 spectators, and a scoreboard and press

box. There is also a 20,000 square-foot athletics building with locker rooms, classrooms, storage, concessions, and workout facilities.

5. The Sports Complex is a commitment to the revitalization of the South Buffalo Seneca Babcock Community, where the Sports Complex sits. Medaille works closely with the local Community Association for the benefit of Medaille's neighbors there.

6. Together with developments such as The Power House at Buffalo Color Park, Larkintown, and Buffalo River Works, the Sports Complex is one of several development projects—and the only athletic fields complex—central to the revitalization of this community.

7. For Medaille, the Sports Complex is a major aspect of Medaille's strategic vision, both at present and in the future, on which its ability to compete as a higher education institution is based. The inability to use the Sports Complex would pose a fiscal threat to Medaille's viability.

8. Directly adjacent to the Sports Complex is a sulfuric acid manufacturing plant that PVS operates ("PVS Plant").

9. In January 2019, Medaille received complaints from its employees about the PVS Plants' emissions. Medaille was concerned about these complaints and set out to address them.

10. With SBD, Medaille commenced monitoring of the air at the Sports Complex to determine the sulfur dioxide ("SO₂") levels from PVS's emissions. As is discussed in the accompanying affidavit of John Black, PE, sworn to May 17, 2021 ("Black Aff."), this monitoring continued from January, 2019 to April, 2020. After the onset of the COVID-19 pandemic, and following the New York State Executive Orders shutting down most

activities, Medaille referred this matter to the New York State Department of Environmental Conservation (“DEC”).

11. Prior to the pandemic, and based on the monitoring data, Medaille’s counsel sent a series of written cease and desist demands to PVS regarding its excessive emissions of SO₂. These communications began on June 4, 2019, before summer use of the Sports Complex began in earnest, and are discussed in the accompanying affidavit of John G. Schmidt Jr., Esq., sworn to May 17, 2021 (“Schmidt Aff.”).

12. PVS, however, feigned, but ultimately refused, to cooperate, and thumbed its nose at Medaille and the Seneca Babcock Community, by *increasing* the levels of SO₂ it polluted into the air. Schmidt Aff. ¶¶ 9-10, Ex. A; Black Aff. ¶¶ 9, 14, 16-17, Ex. A.

13. Given PVS’s continued misconduct, we referred the matter to DEC.

14. In or around July, 2020, DEC began conducting its own air monitoring of the PVS Plant’s emissions.

15. As the scholastic community began to reopen and in-person activities resumed, we learned that on or about March 16, 2021, DEC served PVS with a Notice of Hearing and Complaint seeking to enjoin PVS from emitting SO₂ in violation of its Title V Air Permit (“Permit”), and to order PVS to make necessary repairs to the PVS Plant to ensure Permit compliance. Verified Complaint (“Complaint”), filed May 17, 2021, Ex. A.

16. True to form, PVS refused to correct its actions. Rather, PVS is *further increasing* SO₂ emissions, as is stated in the Schmidt Aff. (¶ 25), referring to DEC’s monitoring data showing SO₂ concentrations as high as 800 parts per billion.

17. This situation reached a breaking point for Medaille over several days preceding this affidavit and the commencement of this action.

18. During the afternoon of May 14, 2021, I was contacted by Jennifer Delaney, PE, Director of Environmental Health, Erie County Department of Health (“County DOH”), who advised that the County DOH, on behalf of DEC and the New York State Department of Health (“State DOH”), was requesting that Medaille immediately, and indefinitely, cease all activities at the Sports Complex.

19. Ms. Delaney stated that the reasons for this oral directive were the SO₂ emissions from the PVS Plant, and DEC’s and both DOHs’ concerns related thereto.

20. On May 15, 2021, I received a letter from State DOH, of the same date, referring to the SO₂ emissions from the PVS Plant and stating that “all activities . . .” at the Sports Complex “must be suspended until such time as all hazards can be mitigated.”

Exhibit A is a copy of this letter.

21. Concerning the SO₂ emissions from the PVS Plant, the letter states,

a DEC air monitoring station at the Elk Street Athletic Facility soccer field indicates that SO₂ concentrations frequently exceed the National Ambient Air Quality Standard primary standard set by the U.S. Environmental Protection Agency (USEPA), Acute Exposure Guideline Levels (AEGLs), and exceed the thresholds used by USEPA’s Air Quality Index that indicate unhealthy air quality. In several instances, measured SO₂ at the soccer field has exceeded the AEGL-2 level which indicates the potential for more severe respiratory effects. The most vulnerable groups are asthmatics and those who are exercising, although any member of the general public may be affected at the measured concentrations.

Ex. A.

22. The letter also states that “it is critical that all activities at the Elk Street Athletic Facility be temporarily suspended until offsite sources of SO₂ concentrations are mitigated and adverse impacts on the air quality at your athletic facility are reversed.” *Id.*

23. There is no question that the PVS Plant is the sole source of this pollution.

24. Medaille, however, simply operates the Sports Complex, does not pollute at all, and has done nothing wrong.

25. Nevertheless, Medaille is being compelled to shut down, while PVS continues to pollute.

26. On May 14, 2021, DEC sent a letter to PVS to demand (*but not order*) that PVS bring itself in compliance.

27. Medaille fully expects that PVS will not comply with DEC's demand. In fact, Medaille has seen media reports and correspondence from PVS showing that it disputes DEC's position and will continue polluting the Seneca Babcock Community.

28. Despite PVS's control over its SO₂ pollution, and thus its ability to bring itself in compliance, PVS disregarded all of Medaille's previous demands that it take it upon itself to stop polluting.

29. Rather, as discussed above, PVS increased its SO₂ pollution.

30. Also true to form, on May 15, 2021, the Buffalo News quoted PVS, which announced its "complete disagreement" with DEC's letter of May 14, 2021. Complaint, Ex. C (Buffalo News article).

31. PVS further claimed, vaguely, that it would merely "tone down operations while [it] work[s] with the DEC through the courts to remedy this situation." *Id.* (emphasis added).

32. At all times before, during, and after the pandemic-related shutdowns, PVS has consistently proven it will do nothing of the sort, as the above facts show.

33. Rather, PVS's statement that it will "tone down operations" is nothing short of an admission that it has full control over, and ability to reduce, its SO₂ pollution.

34. In a letter dated May 15, 2021, PVS's counsel wrote to the presiding DEC Administrative Law Judge, Hon. Molly T. McBride, in DEC's pending enforcement proceeding against PVS.

35. Rather than state it will resolve DEC's concerns, PVS's counsel stated that "PVS of course disputes the validity of [DEC's] claims in its 'Temporary Cease and Desist' letter because its claims are, quite frankly, just dead wrong." Schmidt Aff. ¶ 32, Ex. E at 1.

36. Additionally, PVS's counsel failed cite to *any data* belonging to PVS that recorded the SO₂ levels in its emissions and shows that those emissions are compliant with law. *Id.*, *passim*. This is because no such data exists—all data regarding PVS's pollution, as produced by Medaille and SBD, and DEC, show that PVS's emissions are excessive.

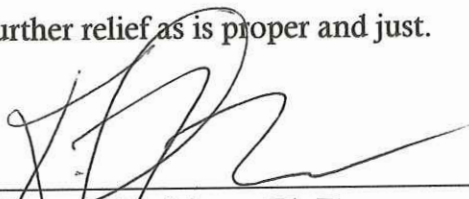
37. PVS's counsel merely cited to unspecified "modeling assumptions" (*id.* at 2) and otherwise made baseless arguments, such as "the NAAQS are not emissions standards" (*id.*), in a transparent attempt to direct attention away from itself as a reckless polluter.

38. In sum, PVS's arguments explicitly and implicitly admit that it is the sole source of the SO₂ emissions, but beg that because PVS has polluted so long, it should be allowed to continue to do so.

39. It is unacceptable to Medaille that it was *directed* to (and has) shut down activities at the Sports Complex, when PVS was merely *requested* to shut down but clearly will not do so.

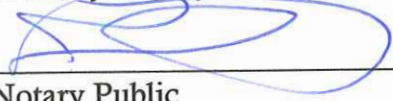
40. Accordingly, absent a Temporary Restraining Order and Preliminary Injunction, and ultimately Judgment, PVS (the perpetrator) will continue operations and cause further harm to Medaille (the victim), which at this point has reached an irreparable level and is only worsening.

WHEREFORE, Medaille respectfully requests that this Court grant its Motion in its entirety, along with such other and further relief as is proper and just.



Kenneth M. Macur, Ph.D.

Sworn to before me this
17th day of May, 2021



Notary Public

JOHN G. SCHMIDT
Notary Public, State of New York
Qualified in Erie County
My Commission Expires 10/07/20 22

CERTIFICATE OF COMPLIANCE WITH COMMERCIAL DIVISION RULE 17

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DATED: Buffalo, New York
May 17, 2021



Tristan D. Hujer

EXHIBIT

A



ANDREW M. CUOMO
Governor

Department of Health

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

LISA J. PINO, M.A., J.D.
Executive Deputy Commissioner

May 15, 2021

Kenneth M. Macur, President
Medaille College
18 Agassiz Circle
Buffalo, NY 14214

RE: Temporary Suspension of Activities at Elk Street Athletic Facility,
Buffalo Medaille Sports Complex

Dear President Macur:

The New York State Departments of Health and Environmental Conservation (DOH, DEC) request that all activities at the Elk Street Athletic Facility, administered by Medaille College, be suspended and the fields secured to prevent further use, effective immediately. As explained in further detail below, continued use of the athletic facility constitutes a danger to the health of the people, in violation of Public Health Law § 16, and must be suspended until such time as all hazards can be mitigated.

Air monitoring data taken from the soccer field at the Elk Street Athletic Facility indicates numerous episodes of elevated sulfur dioxide (SO₂) concentrations at that location which are unsafe for the public to be exposed to while exercising even for relatively brief periods. Further, a DEC air monitoring station at the Elk Street Athletic Facility soccer field indicates that SO₂ concentrations frequently exceed the National Ambient Air Quality Standard primary standard set by the U.S. Environmental Protection Agency (USEPA), Acute Exposure Guideline Levels (AEGLs), and exceed the thresholds used by USEPA's Air Quality Index that indicate unhealthy air quality. In several instances, measured SO₂ at the soccer field has exceeded the AEGL-2 level which indicates the potential for more severe respiratory effects. The most vulnerable groups are asthmatics and those who are exercising, although any member of the general public may be affected at the measured concentrations.

In light of this monitoring data, it is critical that all activities at the Elk Street Athletic Facility be temporarily suspended until offsite sources of SO₂ concentrations are mitigated and adverse impacts on the air quality at your athletic facility are reversed. DEC is taking aggressive action to address the source of the SO₂ contamination and to make sure that necessary repairs and solutions occur on a highly expedited time frame and will keep you apprised as these efforts progress and air quality in the area has improved. Should activities continue at the facility, DOH and DEC reserve the right to pursue all available legal and administrative remedies, including summary action pursuant to Section 16 of the New York State Public Health Law.

We greatly appreciate your cooperation in addressing this situation and look forward to working with you to protect public health and the health of all those who utilize your facility. Please do not hesitate to contact Michael Bass at (518) 396-7040 if you have any questions or concerns.

Sincerely



Howard A. Zucker, M.D., J.D.
Commissioner
Department of Health



Basil Seggos
Commissioner
Department of Environmental Conservation

Cc: Sean Mahar, Chief of Staff
J. Jared Snyder, Deputy Commissioner for Climate, Air and Energy
Thomas Berkman, DEC Deputy Commissioner and General Counsel
Lisa Pino, DOH Executive Deputy Commissioner
Kathy Marks, DOH General Counsel
Michael G. Bass, Esq., DOH Deputy Counsel
Lemuel Srolovic, Esq., NYS Attorney General's Office, Environmental Protection Bureau
Lisa Burianek, Esq., NYS Attorney General's Office, Deputy Bureau Chief,
Environmental Protection Bureau
Eric Schaaf, Esq., Environmental Protection Agency
Terri Mucha, Esq., DEC Associate Attorney

4. As a civil and environmental engineer with over 40 years of experience, I often work with clients concerning efforts to comply with governmental permitting and applicable environmental laws, including air quality laws, rules, and regulations.

5. Inventum provides environmental consulting services at 427 Elk Street, Buffalo, New York, for South Buffalo Development, LLC (“SBD”), the owner of that real property, and Medaille, the tenant. This is the location of the Medaille College Sports Complex at Buffalo Color Park (“Sports Complex”).

6. The real property located directly adjacent to the Sports Complex is a sulfuric acid manufacturing plant operated by PVS (“PVS Plant”).

7. In January 2019, on behalf of SBD and Medaille, Inventum began using electronic air monitoring stations at the Sports Complex, including along the fence that separates the Sports Complex and the PVS Plant.

8. Inventum’s monitoring stations recorded SO₂ levels in the air on a continuous, uninterrupted basis while operational.

9. Real time data produced by monitoring stations at the Sports Complex on SBD’s property show that PVS frequently emitted SO₂ at a rate greater than 75 parts per billion (“ppb”), and often significantly higher than 400-600 ppb. **Exhibit A** is a true copy of data that Inventum collected; red highlighted entries thereon show exceedances of 75 ppb. Inventum recorded such exceedances on approximately 42 days during the time period of this data segment.

10. PVS operates the PVS Plant pursuant to the New York State Department of Environmental Conservation Title V Air Permit (“Permit”), effective October 1, 2017. **Exhibit B** is a copy of the Permit.

11. The Permit provides that

PVS must assure compliance with the 1-hour sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS) which is **75 ppb (99th percentile of 1-hour daily maximum concentrations, averaged over 3 years)** which is equivalent to 196.5 microgram per cubic meter.

Ex. B at 27 (emphasis added); *see also id.* at 1-2.

12. National Ambient Air Quality Standards (“NAAQS”) list, and set air quality requirements with respect to, air pollutants. The NAAQS sets the primary air quality standard with respect to SO₂ concentration at 75 ppb, which is the 99th percentile of daily maximum one-hour sulfur dioxide concentrations, averaged over three years. This is explicitly incorporated into PVS’ Permit, as shown on Ex. B (at 27).

13. It is important to note that Inventum conducted monitoring on property *adjacent to* the PVS Plant. This monitored location was well beyond the PVS property line and therefore well beyond the point of emission at the PVS Plant, which is the first point at which PVS must comply with its Permit.

14. Inventum’s monitoring of SO₂ emissions from the PVS Plant at the Sports Complex shows that PVS exceeded the SO₂ NAAQS while winds were prevailing toward the Sports Complex on at least 42 days from January, 2019, to April 2020, when Inventum’s monitoring stations were operational. Ex. A, highlighted entries.

15. Beginning June 4, 2019, at SBD and Medaille’s request, legal counsel sent to PVS and its attorneys a series of letters demanding that PVS immediately cease and desist its excessive SO₂ emissions at the Sports Complex. These communications are discussed in the accompanying affidavit of John G. Schmidt Jr., Esq., sworn to May 17, 2021 (“Schmidt Aff.”).

16. Rather than comply, PVS continued its SO₂ emissions at levels that exceed the SO₂ NAAQS. Ex. A, highlighted entries, particularly those post-dating December 12, 2019, which I understand to be the date of the last cease and desist communication referenced in the Schmidt Aff.

17. Additionally, as Inventum's data show (and as discussed in the cease and desist letters), at times directly following Medaille's counsel's communications, PVS decreased its emissions below the maximum limit of the SO₂ NAAQS, only to, later on, resume emissions with much higher SO₂ concentrations. Ex. A; Schmidt Aff. ¶¶ 9-10.

18. Such data, from periods immediately after cease and desist communication, demonstrate that PVS has the ability to control its operations to produce emissions and the amounts of SO₂ therein, but nonetheless willfully and intentionally continued to operate in a manner to pollute the air in the greater South Buffalo community, including at and around the Sports Complex.

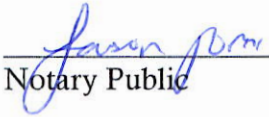
19. Beginning in July, 2020, and at the Sports Complex, DEC began conducting its own monitoring of SO₂ emissions from the PVS Plant, which ran initially until October 11, 2020. Thereafter, I reviewed DEC's report of these data, and determined that PVS had accrued so many exceedances such that it would be impossible to satisfy the SO₂ NAAQS: "it is statistically impossible for the 3-year average of the 99th percentile of the yearly distribution of PVS emissions to be below 75 ppb based on the NYSDEC data that already exists." **Exhibit C** contains DEC's report of, and my letter discussing, this data segment. In my letter, I also noted (as I do above) "that the NYSDEC monitoring station is over 290 feet away from the closest PVS permitted emission point indicating the actual emissions from the PVS facility are much higher." Ex. C at 2.

20. In sum, for the foreseeable future, PVS will continue to be in violation of its Permit and, therefore, must not have any further exceedances. Thus, any further SO₂ readings at the Sports Complex must not exceed zero (0) ppb.

WHEREFORE, I respectfully request that this Court grant Medaille's Motion in its entirety, along with such other and further relief that is proper and just.


John Black, P.E.

Sworn to before me this
17th day of May, 2021


Notary Public



JASON MARK TOM
NOTARY PUBLIC 7578618
COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES MAY 31, 2021

CERTIFICATE OF COMPLIANCE WITH COMMERCIAL DIVISION RULE 17

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DATED: Buffalo, New York
May 17, 2021



Tristan D. Hujer

EXHIBIT

A

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
5/2/2019 19:04	0.5	178	7:04:00 PM Thursday
5/2/2019 19:08	0.5	199	7:08:00 PM Thursday
5/6/2019 16:56	0.5	249	4:56:00 PM Monday
5/6/2019 17:03	0.5	221	5:03:00 PM Monday
5/6/2019 17:09	0.5	254	5:09:00 PM Monday
5/6/2019 17:10	0.5	223	5:10:00 PM Monday
5/6/2019 17:12	0.7	173	5:12:00 PM Monday
5/6/2019 17:13	0.7	160	5:13:00 PM Monday
5/6/2019 17:14	0.7	185	5:14:00 PM Monday
5/6/2019 17:19	0.6	263	5:19:00 PM Monday
5/6/2019 17:20	0.6	254	5:20:00 PM Monday
5/6/2019 17:21	0.9	234	5:21:00 PM Monday
5/6/2019 17:23	0.5	213	5:23:00 PM Monday
5/6/2019 17:24	0.5	208	5:24:00 PM Monday
5/6/2019 17:25	0.5	217	5:25:00 PM Monday
5/6/2019 17:26	0.8	216	5:26:00 PM Monday
5/6/2019 17:28	0.7	195	5:28:00 PM Monday
5/6/2019 17:29	0.6	206	5:29:00 PM Monday
5/6/2019 17:30	0.5	195	5:30:00 PM Monday
5/6/2019 17:31	0.7	201	5:31:00 PM Monday
5/6/2019 17:32	0.6	190	5:32:00 PM Monday
5/6/2019 17:34	0.6	212	5:34:00 PM Monday
5/6/2019 17:37	0.8	262	5:37:00 PM Monday
5/6/2019 17:38	0.7	242	5:38:00 PM Monday
5/6/2019 17:39	0.8	234	5:39:00 PM Monday
5/6/2019 18:07	0.5	247	6:07:00 PM Monday
5/6/2019 18:10	0.6	223	6:10:00 PM Monday
5/6/2019 18:11	0.7	220	6:11:00 PM Monday
5/6/2019 18:13	0.9	234	6:13:00 PM Monday
5/6/2019 18:14	0.8	220	6:14:00 PM Monday
5/6/2019 18:15	0.8	209	6:15:00 PM Monday
5/6/2019 18:16	0.5	187	6:16:00 PM Monday
5/6/2019 18:17	0.7	184	6:17:00 PM Monday
5/6/2019 18:18	0.7	172	6:18:00 PM Monday
5/6/2019 18:21	0.5	185	6:21:00 PM Monday
5/6/2019 18:22	0.6	190	6:22:00 PM Monday
5/6/2019 18:23	0.6	193	6:23:00 PM Monday
5/6/2019 18:24	1	192	6:24:00 PM Monday
5/6/2019 18:25	1.1	185	6:25:00 PM Monday
5/6/2019 18:26	0.7	198	6:26:00 PM Monday
5/6/2019 18:27	0.5	210	6:27:00 PM Monday
5/6/2019 18:28	0.5	217	6:28:00 PM Monday
5/6/2019 18:30	0.7	252	6:30:00 PM Monday
5/6/2019 18:31	1.1	260	6:31:00 PM Monday
5/6/2019 18:32	0.8	257	6:32:00 PM Monday
5/6/2019 18:34	0.6	261	6:34:00 PM Monday
5/6/2019 18:35	0.5	265	6:35:00 PM Monday
5/6/2019 18:36	0.5	255	6:36:00 PM Monday
5/6/2019 18:40	0.8	247	6:40:00 PM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
5/6/2019 18:41	0.6	244	6:41:00 PM	Monday
5/6/2019 18:44	0.5	246	6:44:00 PM	Monday
5/6/2019 18:45	0.7	243	6:45:00 PM	Monday
5/6/2019 18:46	0.5	246	6:46:00 PM	Monday
5/6/2019 18:47	0.6	237	6:47:00 PM	Monday
5/6/2019 18:48	0.9	229	6:48:00 PM	Monday
5/6/2019 18:49	0.5	225	6:49:00 PM	Monday
5/6/2019 18:50	0.6	235	6:50:00 PM	Monday
5/6/2019 18:51	0.5	232	6:51:00 PM	Monday
5/6/2019 18:53	0.6	237	6:53:00 PM	Monday
5/6/2019 18:54	0.5	228	6:54:00 PM	Monday
5/6/2019 18:56	0.6	225	6:56:00 PM	Monday
5/6/2019 18:57	0.7	223	6:57:00 PM	Monday
5/6/2019 18:58	0.5	231	6:58:00 PM	Monday
5/6/2019 19:00	0.5	246	7:00:00 PM	Monday
5/6/2019 19:01	0.8	269	7:01:00 PM	Monday
5/6/2019 19:02	0.6	267	7:02:00 PM	Monday
5/6/2019 19:05	0.5	239	7:05:00 PM	Monday
5/6/2019 19:06	0.7	224	7:06:00 PM	Monday
5/6/2019 19:07	0.5	221	7:07:00 PM	Monday
5/6/2019 19:09	0.6	216	7:09:00 PM	Monday
5/6/2019 19:10	0.9	219	7:10:00 PM	Monday
5/6/2019 19:11	0.9	214	7:11:00 PM	Monday
5/6/2019 19:12	0.7	212	7:12:00 PM	Monday
5/6/2019 19:13	0.8	223	7:13:00 PM	Monday
5/6/2019 19:19	0.6	259	7:19:00 PM	Monday
5/6/2019 19:22	0.6	244	7:22:00 PM	Monday
5/6/2019 19:39	0.6	250	7:39:00 PM	Monday
5/6/2019 19:42	0.5	240	7:42:00 PM	Monday
5/6/2019 20:02	0.5	265	8:02:00 PM	Monday
5/6/2019 20:07	0.7	246	8:07:00 PM	Monday
5/6/2019 20:09	0.6	255	8:09:00 PM	Monday
5/6/2019 20:10	0.7	250	8:10:00 PM	Monday
5/6/2019 20:11	0.5	248	8:11:00 PM	Monday
5/6/2019 20:12	0.8	256	8:12:00 PM	Monday
5/6/2019 20:21	0.5	219	8:21:00 PM	Monday
5/6/2019 20:22	0.5	213	8:22:00 PM	Monday
5/6/2019 21:22	0.5	239	9:22:00 PM	Monday
5/6/2019 21:23	0.5	219	9:23:00 PM	Monday
5/6/2019 21:39	0.5	176	9:39:00 PM	Monday
5/6/2019 21:55	0.5	201	9:55:00 PM	Monday
5/6/2019 21:57	0.5	224	9:57:00 PM	Monday
5/6/2019 21:58	0.6	225	9:58:00 PM	Monday
5/6/2019 22:28	0.5	242	10:28:00 PM	Monday
5/6/2019 22:29	0.5	242	10:29:00 PM	Monday
5/6/2019 23:34	0.5	228	11:34:00 PM	Monday
5/6/2019 23:43	0.5	207	11:43:00 PM	Monday
5/15/2019 7:40	0.6	253	7:40:05 AM	Wednesda
5/15/2019 7:41	0.6	223	7:41:05 AM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
5/15/2019 7:42	0.6	216	7:42:05 AM	Wednesda
5/15/2019 7:59	0.5	254	7:59:05 AM	Wednesda
5/15/2019 8:00	0.5	268	8:00:05 AM	Wednesda
5/15/2019 8:01	0.5	255	8:01:05 AM	Wednesda
5/15/2019 8:02	0.6	255	8:02:05 AM	Wednesda
5/15/2019 8:03	0.6	232	8:03:05 AM	Wednesda
5/15/2019 8:11	0.5	238	8:11:05 AM	Wednesda
5/15/2019 8:13	0.6	250	8:13:05 AM	Wednesda
5/15/2019 8:44	0.5	240	8:44:05 AM	Wednesda
5/15/2019 9:31	0.5	261	9:31:05 AM	Wednesda
5/15/2019 9:32	0.6	231	9:32:05 AM	Wednesda
5/15/2019 9:34	0.5	240	9:34:05 AM	Wednesda
5/15/2019 9:35	0.5	232	9:35:05 AM	Wednesda
5/15/2019 10:02	0.6	217	10:02:05 AM	Wednesda
5/15/2019 10:03	0.5	220	10:03:05 AM	Wednesda
5/15/2019 12:47	0.5	249	12:47:00 PM	Wednesda
5/15/2019 15:43	0.5	239	3:43:05 PM	Wednesda
5/15/2019 21:09	0.6	256	9:09:00 PM	Wednesda
5/15/2019 21:10	0.5	257	9:10:00 PM	Wednesda
5/15/2019 21:11	0.5	239	9:11:00 PM	Wednesda
5/15/2019 21:24	0.5	212	9:24:00 PM	Wednesda
5/15/2019 21:25	0.5	196	9:25:00 PM	Wednesda
5/15/2019 21:37	0.6	240	9:37:00 PM	Wednesda
5/15/2019 21:38	0.5	221	9:38:00 PM	Wednesda
5/15/2019 21:46	0.5	217	9:46:00 PM	Wednesda
5/15/2019 21:48	0.5	177	9:48:00 PM	Wednesda
5/16/2019 8:54	0.5	221	8:54:00 AM	Thursday
5/16/2019 8:59	0.5	244	8:59:00 AM	Thursday
5/16/2019 9:04	0.5	224	9:04:00 AM	Thursday
5/16/2019 9:12	0.6	211	9:12:00 AM	Thursday
5/16/2019 9:49	0.6	240	9:49:00 AM	Thursday
5/16/2019 9:50	0.5	235	9:50:00 AM	Thursday
5/16/2019 10:51	0.5	242	10:51:00 AM	Thursday
5/16/2019 10:52	0.5	241	10:52:00 AM	Thursday
5/16/2019 11:00	0.8	206	11:00:00 AM	Thursday
5/16/2019 11:04	0.5	183	11:04:00 AM	Thursday
5/16/2019 11:06	0.5	189	11:06:00 AM	Thursday
5/16/2019 11:07	0.5	209	11:07:00 AM	Thursday
5/16/2019 11:10	0.5	205	11:10:00 AM	Thursday
5/16/2019 11:11	0.7	193	11:11:00 AM	Thursday
5/16/2019 16:37	0.5	192	4:37:00 PM	Thursday
5/16/2019 16:43	0.5	236	4:43:00 PM	Thursday
5/16/2019 16:57	0.6	206	4:57:00 PM	Thursday
5/16/2019 16:58	0.5	223	4:58:00 PM	Thursday
5/16/2019 17:12	0.6	167	5:12:00 PM	Thursday
5/16/2019 17:14	0.6	159	5:14:00 PM	Thursday
5/16/2019 17:18	0.6	111	5:18:00 PM	Thursday
5/16/2019 17:31	0.5	250	5:31:00 PM	Thursday
5/16/2019 17:37	0.6	227	5:37:00 PM	Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert	
5/16/2019 17:39	0.5	217	5:39:00 PM	Thursday
5/16/2019 17:51	0.7	239	5:51:00 PM	Thursday
5/16/2019 18:16	0.5	253	6:16:00 PM	Thursday
5/16/2019 18:21	0.6	216	6:21:00 PM	Thursday
5/16/2019 18:22	0.5	216	6:22:00 PM	Thursday
5/16/2019 18:24	0.5	212	6:24:00 PM	Thursday
5/16/2019 18:30	0.6	160	6:30:00 PM	Thursday
5/16/2019 23:37	0.5	93	11:37:00 PM	Thursday
5/16/2019 23:59	0.5	151	11:59:00 PM	Thursday
5/17/2019 0:08	0.5	138	12:08:00 AM	Friday
5/17/2019 0:21	0.6	154	12:21:00 AM	Friday
5/17/2019 1:27	0.5	191	1:27:00 AM	Friday
5/17/2019 2:03	0.8	211	2:03:00 AM	Friday
5/17/2019 2:04	0.5	175	2:04:00 AM	Friday
5/17/2019 15:03	0.5	256	3:03:00 PM	Friday
5/17/2019 15:04	0.5	244	3:04:00 PM	Friday
5/21/2019 7:38	0.5	265	7:38:00 AM	Tuesday
5/21/2019 12:02	0.5	234	12:02:00 PM	Tuesday
5/21/2019 12:03	0.5	237	12:03:00 PM	Tuesday
5/22/2019 20:14	0.5	183	8:14:05 PM	Wednesda
5/22/2019 20:15	1.1	180	8:15:05 PM	Wednesda
5/22/2019 20:17	0.5	187	8:17:05 PM	Wednesda
5/22/2019 20:18	0.7	193	8:18:05 PM	Wednesda
5/22/2019 20:19	2.4	199	8:19:05 PM	Wednesda
5/22/2019 20:20	1	203	8:20:05 PM	Wednesda
5/22/2019 20:37	0.5	261	8:37:05 PM	Wednesda
5/22/2019 20:38	0.7	226	8:38:05 PM	Wednesda
5/28/2019 15:26	0.5	246	3:26:05 PM	Tuesday
5/28/2019 15:32	0.5	194	3:32:05 PM	Tuesday
5/28/2019 15:34	0.6	202	3:34:05 PM	Tuesday
5/28/2019 15:35	0.6	208	3:35:05 PM	Tuesday
5/28/2019 15:52	0.5	242	3:52:05 PM	Tuesday
5/28/2019 15:53	0.5	242	3:53:05 PM	Tuesday
5/30/2019 7:21	0.5	187	7:21:00 AM	Thursday
5/30/2019 7:44	0.5	206	7:44:00 AM	Thursday
5/30/2019 7:45	0.6	206	7:45:00 AM	Thursday
5/30/2019 7:46	0.5	205	7:46:00 AM	Thursday
5/30/2019 7:47	0.5	191	7:47:00 AM	Thursday
5/30/2019 7:48	0.5	176	7:48:00 AM	Thursday
5/30/2019 7:49	0.6	162	7:49:00 AM	Thursday
5/30/2019 7:50	0.5	148	7:50:00 AM	Thursday
5/30/2019 7:51	0.6	139	7:51:00 AM	Thursday
5/30/2019 7:56	0.5	215	7:56:00 AM	Thursday
5/30/2019 8:19	0.5	250	8:19:00 AM	Thursday
5/30/2019 8:20	0.5	244	8:20:00 AM	Thursday
5/30/2019 8:22	0.6	205	8:22:00 AM	Thursday
5/30/2019 8:23	0.6	205	8:23:00 AM	Thursday
5/30/2019 8:24	0.5	189	8:24:00 AM	Thursday
5/30/2019 8:25	0.5	183	8:25:00 AM	Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
5/30/2019 8:26	0.5	197	8:26:00 AM Thursday
5/30/2019 8:29	0.5	208	8:29:00 AM Thursday
5/30/2019 8:30	0.8	202	8:30:00 AM Thursday
5/30/2019 8:31	0.5	205	8:31:00 AM Thursday
5/30/2019 8:32	0.5	218	8:32:00 AM Thursday
5/30/2019 8:33	0.6	223	8:33:00 AM Thursday
5/30/2019 8:34	0.6	214	8:34:00 AM Thursday
5/30/2019 8:35	0.8	218	8:35:00 AM Thursday
5/30/2019 8:36	0.8	208	8:36:00 AM Thursday
5/30/2019 8:37	0.6	194	8:37:00 AM Thursday
5/30/2019 8:38	0.7	195	8:38:00 AM Thursday
5/30/2019 8:39	0.6	200	8:39:00 AM Thursday
5/30/2019 8:40	0.5	213	8:40:00 AM Thursday
5/30/2019 8:41	0.8	226	8:41:00 AM Thursday
5/30/2019 8:42	0.7	236	8:42:00 AM Thursday
5/30/2019 8:43	0.6	192	8:43:00 AM Thursday
5/30/2019 8:44	0.6	188	8:44:00 AM Thursday
5/30/2019 8:45	0.6	175	8:45:00 AM Thursday
5/30/2019 8:46	0.6	171	8:46:00 AM Thursday
5/30/2019 8:47	0.6	174	8:47:00 AM Thursday
5/30/2019 8:48	0.5	233	8:48:00 AM Thursday
5/30/2019 8:49	0.8	231	8:49:00 AM Thursday
5/30/2019 8:50	0.6	248	8:50:00 AM Thursday
5/30/2019 8:51	0.7	270	8:51:00 AM Thursday
5/30/2019 8:52	0.7	260	8:52:00 AM Thursday
5/30/2019 8:53	0.7	225	8:53:00 AM Thursday
5/30/2019 8:54	0.7	214	8:54:00 AM Thursday
5/30/2019 8:55	0.6	214	8:55:00 AM Thursday
5/30/2019 8:56	0.6	202	8:56:00 AM Thursday
5/30/2019 8:57	0.7	219	8:57:00 AM Thursday
5/30/2019 8:58	0.5	246	8:58:00 AM Thursday
5/30/2019 8:59	0.7	242	8:59:00 AM Thursday
5/30/2019 9:00	0.5	240	9:00:00 AM Thursday
5/30/2019 9:01	0.6	211	9:01:00 AM Thursday
5/30/2019 9:02	0.6	184	9:02:00 AM Thursday
5/30/2019 9:03	0.5	184	9:03:00 AM Thursday
5/30/2019 9:06	0.5	227	9:06:00 AM Thursday
5/30/2019 9:07	0.5	262	9:07:00 AM Thursday
5/30/2019 9:13	0.5	264	9:13:00 AM Thursday
5/30/2019 9:14	0.7	243	9:14:00 AM Thursday
5/30/2019 9:15	0.5	231	9:15:00 AM Thursday
5/30/2019 9:16	0.5	216	9:16:00 AM Thursday
5/30/2019 9:17	0.6	210	9:17:00 AM Thursday
5/30/2019 9:18	0.5	210	9:18:00 AM Thursday
5/30/2019 9:19	0.6	218	9:19:00 AM Thursday
5/30/2019 9:20	0.9	227	9:20:00 AM Thursday
5/30/2019 9:21	0.7	233	9:21:00 AM Thursday
5/30/2019 9:22	0.5	247	9:22:00 AM Thursday
5/30/2019 11:26	0.6	194	11:26:00 AM Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
5/30/2019 11:29	0.5	229	11:29:00 AM Thursday
5/30/2019 11:36	0.7	247	11:36:00 AM Thursday
5/30/2019 11:37	0.6	239	11:37:00 AM Thursday
5/30/2019 11:38	0.7	212	11:38:00 AM Thursday
5/30/2019 11:39	0.8	203	11:39:00 AM Thursday
5/30/2019 12:53	0.7	269	12:53:00 PM Thursday
5/30/2019 13:20	0.6	266	1:20:00 PM Thursday
5/30/2019 13:21	0.5	244	1:21:00 PM Thursday
5/30/2019 13:22	1.2	233	1:22:00 PM Thursday
5/30/2019 13:23	0.8	222	1:23:00 PM Thursday
5/30/2019 13:24	0.5	219	1:24:00 PM Thursday
5/30/2019 13:25	0.9	211	1:25:00 PM Thursday
5/30/2019 13:26	0.5	232	1:26:00 PM Thursday
5/30/2019 13:27	0.5	227	1:27:00 PM Thursday
5/30/2019 16:02	0.5	256	4:02:00 PM Thursday
5/30/2019 16:07	0.5	255	4:07:00 PM Thursday
5/31/2019 10:21	0.6	268	10:21:00 AM Friday
5/31/2019 11:09	0.7	257	11:09:00 AM Friday
5/31/2019 11:10	0.5	239	11:10:00 AM Friday
5/31/2019 11:11	0.7	243	11:11:00 AM Friday
5/31/2019 11:14	0.5	255	11:14:00 AM Friday
5/31/2019 11:31	0.7	268	11:31:00 AM Friday
5/31/2019 11:32	0.7	249	11:32:00 AM Friday
5/31/2019 11:33	0.9	234	11:33:00 AM Friday
5/31/2019 11:34	1.1	217	11:34:00 AM Friday
5/31/2019 11:35	0.7	220	11:35:00 AM Friday
5/31/2019 11:36	0.8	228	11:36:00 AM Friday
5/31/2019 11:37	0.7	225	11:37:00 AM Friday
5/31/2019 11:38	0.7	225	11:38:00 AM Friday
5/31/2019 11:40	0.8	203	11:40:00 AM Friday
5/31/2019 11:41	0.9	175	11:41:00 AM Friday
5/31/2019 11:42	0.9	209	11:42:00 AM Friday
5/31/2019 11:43	0.9	203	11:43:00 AM Friday
5/31/2019 11:44	1	201	11:44:00 AM Friday
5/31/2019 11:46	0.5	246	11:46:00 AM Friday
5/31/2019 11:47	0.7	236	11:47:00 AM Friday
5/31/2019 11:48	0.7	223	11:48:00 AM Friday
5/31/2019 11:49	0.6	260	11:49:00 AM Friday
5/31/2019 11:50	0.6	250	11:50:00 AM Friday
5/31/2019 11:51	0.6	227	11:51:00 AM Friday
5/31/2019 11:52	0.7	227	11:52:00 AM Friday
5/31/2019 11:53	0.6	246	11:53:00 AM Friday
5/31/2019 11:55	0.6	238	11:55:00 AM Friday
5/31/2019 11:56	0.8	269	11:56:00 AM Friday
5/31/2019 11:57	0.8	256	11:57:00 AM Friday
5/31/2019 11:58	0.6	252	11:58:00 AM Friday
5/31/2019 11:59	0.7	244	11:59:00 AM Friday
5/31/2019 12:00	0.7	237	12:00:00 PM Friday
5/31/2019 12:01	1	206	12:01:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
5/31/2019 12:02	0.8	197	12:02:00 PM Friday
5/31/2019 12:03	0.7	193	12:03:00 PM Friday
5/31/2019 12:04	0.8	183	12:04:00 PM Friday
5/31/2019 12:05	0.9	172	12:05:00 PM Friday
5/31/2019 12:06	0.7	173	12:06:00 PM Friday
5/31/2019 12:07	1	182	12:07:00 PM Friday
5/31/2019 12:08	1	184	12:08:00 PM Friday
5/31/2019 12:09	1.3	186	12:09:00 PM Friday
5/31/2019 12:10	1.4	192	12:10:00 PM Friday
5/31/2019 12:11	1.3	205	12:11:00 PM Friday
5/31/2019 12:12	0.5	217	12:12:00 PM Friday
5/31/2019 12:13	0.9	229	12:13:00 PM Friday
5/31/2019 12:14	0.8	238	12:14:00 PM Friday
5/31/2019 12:15	1	232	12:15:00 PM Friday
5/31/2019 12:18	0.5	256	12:18:00 PM Friday
5/31/2019 12:33	0.5	257	12:33:00 PM Friday
5/31/2019 12:34	0.5	240	12:34:00 PM Friday
5/31/2019 12:39	0.5	249	12:39:00 PM Friday
5/31/2019 12:41	0.6	270	12:41:00 PM Friday
5/31/2019 12:43	0.6	240	12:43:00 PM Friday
5/31/2019 12:44	0.5	234	12:44:00 PM Friday
5/31/2019 13:38	0.5	266	1:38:00 PM Friday
5/31/2019 13:39	0.5	247	1:39:00 PM Friday
5/31/2019 13:56	0.5	255	1:56:00 PM Friday
5/31/2019 13:57	0.7	238	1:57:00 PM Friday
5/31/2019 14:05	0.6	256	2:05:00 PM Friday
5/31/2019 14:14	0.7	266	2:14:00 PM Friday
5/31/2019 14:15	0.5	256	2:15:00 PM Friday
5/31/2019 14:16	1.1	256	2:16:00 PM Friday
5/31/2019 14:17	1	249	2:17:00 PM Friday
5/31/2019 14:19	0.7	256	2:19:00 PM Friday
5/31/2019 14:20	0.5	261	2:20:00 PM Friday
5/31/2019 14:21	0.6	246	2:21:00 PM Friday
5/31/2019 14:22	0.8	257	2:22:00 PM Friday
5/31/2019 14:24	0.7	220	2:24:00 PM Friday
5/31/2019 14:25	0.7	210	2:25:00 PM Friday
5/31/2019 14:26	1	210	2:26:00 PM Friday
5/31/2019 14:27	0.9	200	2:27:00 PM Friday
5/31/2019 14:29	1.5	225	2:29:00 PM Friday
5/31/2019 14:30	1.3	230	2:30:00 PM Friday
5/31/2019 14:34	0.7	265	2:34:00 PM Friday
5/31/2019 14:35	0.5	269	2:35:00 PM Friday
5/31/2019 14:42	0.9	263	2:42:00 PM Friday
5/31/2019 14:57	0.9	266	2:57:00 PM Friday
5/31/2019 14:58	0.5	255	2:58:00 PM Friday
5/31/2019 14:59	0.6	245	2:59:00 PM Friday
5/31/2019 15:00	0.6	231	3:00:00 PM Friday
5/31/2019 15:01	0.7	213	3:01:00 PM Friday
5/31/2019 15:02	0.6	211	3:02:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
5/31/2019 15:03	0.6	222	3:03:00 PM Friday
5/31/2019 15:10	0.7	270	3:10:00 PM Friday
5/31/2019 15:14	0.6	243	3:14:00 PM Friday
5/31/2019 15:17	0.6	252	3:17:00 PM Friday
5/31/2019 15:18	0.6	251	3:18:00 PM Friday
5/31/2019 15:35	0.6	262	3:35:00 PM Friday
5/31/2019 15:42	0.6	269	3:42:00 PM Friday
5/31/2019 15:43	0.6	256	3:43:00 PM Friday
5/31/2019 15:44	0.5	252	3:44:00 PM Friday
5/31/2019 15:46	0.6	238	3:46:00 PM Friday
5/31/2019 15:55	0.5	245	3:55:00 PM Friday
5/31/2019 16:11	0.6	269	4:11:00 PM Friday
5/31/2019 18:08	0.6	263	6:08:00 PM Friday
5/31/2019 18:15	0.7	260	6:15:00 PM Friday
5/31/2019 18:16	0.7	244	6:16:00 PM Friday
5/31/2019 18:17	0.5	228	6:17:00 PM Friday
5/31/2019 18:18	0.6	218	6:18:00 PM Friday
5/31/2019 18:20	1.1	224	6:20:00 PM Friday
5/31/2019 18:38	0.6	248	6:38:00 PM Friday
5/31/2019 18:41	0.7	262	6:41:00 PM Friday
5/31/2019 18:42	0.6	262	6:42:00 PM Friday
5/31/2019 18:43	0.5	256	6:43:00 PM Friday
5/31/2019 18:44	0.5	233	6:44:00 PM Friday
5/31/2019 18:46	0.6	187	6:46:00 PM Friday
5/31/2019 18:47	1.1	170	6:47:00 PM Friday
5/31/2019 18:48	0.5	158	6:48:00 PM Friday
5/31/2019 18:49	0.5	154	6:49:00 PM Friday
5/31/2019 18:50	0.8	177	6:50:00 PM Friday
5/31/2019 18:51	0.6	194	6:51:00 PM Friday
5/31/2019 18:52	0.5	213	6:52:00 PM Friday
5/31/2019 18:53	0.6	233	6:53:00 PM Friday
5/31/2019 18:54	0.6	243	6:54:00 PM Friday
5/31/2019 18:55	0.7	217	6:55:00 PM Friday
5/31/2019 18:56	0.6	197	6:56:00 PM Friday
5/31/2019 18:57	0.9	168	6:57:00 PM Friday
5/31/2019 18:58	0.8	156	6:58:00 PM Friday
5/31/2019 18:59	0.7	149	6:59:00 PM Friday
5/31/2019 19:00	1.4	147	7:00:00 PM Friday
5/31/2019 19:01	0.7	151	7:01:00 PM Friday
5/31/2019 19:02	0.6	166	7:02:00 PM Friday
5/31/2019 19:05	0.6	171	7:05:00 PM Friday
5/31/2019 19:08	0.6	205	7:08:00 PM Friday
5/31/2019 20:29	0.5	205	8:29:00 PM Friday
5/31/2019 20:30	0.5	184	8:30:00 PM Friday
5/31/2019 20:50	0.9	170	8:50:00 PM Friday
6/1/2019 2:45	0.6	175	2:45:00 AM Saturday
6/1/2019 3:15	0.5	105	3:15:00 AM Saturday
6/1/2019 3:20	0.5	171	3:20:00 AM Saturday
6/1/2019 3:26	0.5	166	3:26:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
6/1/2019 3:27	0.5	174	3:27:00 AM Saturday
6/1/2019 3:28	0.7	170	3:28:00 AM Saturday
6/1/2019 3:29	0.7	164	3:29:00 AM Saturday
6/1/2019 3:31	0.6	192	3:31:00 AM Saturday
6/1/2019 3:36	0.5	112	3:36:00 AM Saturday
6/1/2019 3:41	0.5	105	3:41:00 AM Saturday
6/1/2019 3:44	0.6	130	3:44:00 AM Saturday
6/1/2019 4:04	0.6	152	4:04:00 AM Saturday
6/1/2019 4:06	0.5	139	4:06:00 AM Saturday
6/1/2019 4:07	0.7	141	4:07:00 AM Saturday
6/1/2019 4:08	0.6	147	4:08:00 AM Saturday
6/1/2019 4:09	0.5	167	4:09:00 AM Saturday
6/1/2019 4:10	0.5	186	4:10:00 AM Saturday
6/1/2019 4:12	0.5	165	4:12:00 AM Saturday
6/1/2019 4:13	0.7	178	4:13:00 AM Saturday
6/1/2019 4:14	0.5	162	4:14:00 AM Saturday
6/1/2019 4:15	0.5	144	4:15:00 AM Saturday
6/1/2019 4:16	0.6	167	4:16:00 AM Saturday
6/1/2019 4:17	0.6	210	4:17:00 AM Saturday
6/1/2019 4:18	0.7	192	4:18:00 AM Saturday
6/1/2019 4:19	0.7	171	4:19:00 AM Saturday
6/1/2019 4:20	0.7	174	4:20:00 AM Saturday
6/1/2019 4:21	0.5	130	4:21:00 AM Saturday
6/1/2019 4:22	0.6	92	4:22:00 AM Saturday
6/1/2019 4:23	0.5	106	4:23:00 AM Saturday
6/1/2019 4:24	0.5	138	4:24:00 AM Saturday
6/1/2019 4:25	0.5	158	4:25:00 AM Saturday
6/1/2019 4:26	0.6	204	4:26:00 AM Saturday
6/1/2019 4:27	0.6	207	4:27:00 AM Saturday
6/1/2019 4:30	0.6	170	4:30:00 AM Saturday
6/1/2019 4:31	0.5	139	4:31:00 AM Saturday
6/1/2019 4:32	0.5	141	4:32:00 AM Saturday
6/1/2019 4:33	0.5	145	4:33:00 AM Saturday
6/1/2019 4:35	0.5	126	4:35:00 AM Saturday
6/1/2019 4:36	0.5	101	4:36:00 AM Saturday
6/1/2019 4:37	0.5	143	4:37:00 AM Saturday
6/1/2019 4:38	0.5	140	4:38:00 AM Saturday
6/1/2019 4:39	0.5	173	4:39:00 AM Saturday
6/1/2019 4:40	0.5	166	4:40:00 AM Saturday
6/1/2019 4:41	0.5	208	4:41:00 AM Saturday
6/1/2019 4:42	0.5	203	4:42:00 AM Saturday
6/1/2019 4:43	0.5	238	4:43:00 AM Saturday
6/1/2019 4:47	0.7	232	4:47:00 AM Saturday
6/1/2019 4:48	0.5	206	4:48:00 AM Saturday
6/1/2019 4:49	0.6	177	4:49:00 AM Saturday
6/1/2019 4:50	0.6	162	4:50:00 AM Saturday
6/1/2019 4:51	0.5	164	4:51:00 AM Saturday
6/1/2019 4:52	0.5	180	4:52:00 AM Saturday
6/1/2019 4:53	0.5	201	4:53:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
6/1/2019 4:54	0.6	218	4:54:00 AM Saturday
6/1/2019 4:55	0.6	185	4:55:00 AM Saturday
6/1/2019 4:56	0.5	225	4:56:00 AM Saturday
6/1/2019 4:59	0.5	242	4:59:00 AM Saturday
6/1/2019 5:01	0.5	263	5:01:00 AM Saturday
6/1/2019 5:02	0.7	250	5:02:00 AM Saturday
6/1/2019 5:03	0.6	239	5:03:00 AM Saturday
6/1/2019 5:04	0.7	247	5:04:00 AM Saturday
6/1/2019 5:05	1	253	5:05:00 AM Saturday
6/1/2019 5:06	0.9	242	5:06:00 AM Saturday
6/1/2019 5:07	0.9	212	5:07:00 AM Saturday
6/1/2019 5:08	0.7	227	5:08:00 AM Saturday
6/1/2019 5:09	0.9	245	5:09:00 AM Saturday
6/1/2019 5:10	0.7	255	5:10:00 AM Saturday
6/1/2019 5:14	0.6	248	5:14:00 AM Saturday
6/1/2019 5:15	0.5	232	5:15:00 AM Saturday
6/1/2019 5:16	0.6	197	5:16:00 AM Saturday
6/1/2019 5:17	0.9	197	5:17:00 AM Saturday
6/1/2019 5:18	0.8	211	5:18:00 AM Saturday
6/1/2019 5:19	0.7	226	5:19:00 AM Saturday
6/1/2019 5:20	0.7	247	5:20:00 AM Saturday
6/1/2019 5:21	0.6	222	5:21:00 AM Saturday
6/1/2019 5:22	0.6	204	5:22:00 AM Saturday
6/1/2019 5:23	0.7	186	5:23:00 AM Saturday
6/1/2019 5:24	0.7	168	5:24:00 AM Saturday
6/1/2019 5:25	0.9	133	5:25:00 AM Saturday
6/1/2019 5:26	0.6	198	5:26:00 AM Saturday
6/1/2019 5:27	0.5	221	5:27:00 AM Saturday
6/1/2019 5:38	0.5	192	5:38:00 AM Saturday
6/1/2019 6:00	0.7	268	6:00:00 AM Saturday
6/1/2019 6:01	0.6	252	6:01:00 AM Saturday
6/1/2019 6:16	0.5	222	6:16:00 AM Saturday
6/1/2019 6:17	0.5	218	6:17:00 AM Saturday
6/1/2019 6:18	0.6	198	6:18:00 AM Saturday
6/1/2019 6:19	0.7	167	6:19:00 AM Saturday
6/1/2019 6:20	0.6	161	6:20:00 AM Saturday
6/1/2019 6:21	0.5	178	6:21:00 AM Saturday
6/1/2019 6:25	0.5	257	6:25:00 AM Saturday
6/1/2019 6:26	0.8	261	6:26:00 AM Saturday
6/1/2019 6:27	0.7	249	6:27:00 AM Saturday
6/1/2019 6:28	0.6	253	6:28:00 AM Saturday
6/1/2019 6:29	0.8	237	6:29:00 AM Saturday
6/1/2019 6:30	0.8	225	6:30:00 AM Saturday
6/1/2019 6:31	0.9	212	6:31:00 AM Saturday
6/1/2019 6:32	0.7	200	6:32:00 AM Saturday
6/1/2019 6:33	0.7	174	6:33:00 AM Saturday
6/1/2019 6:34	0.6	178	6:34:00 AM Saturday
6/1/2019 6:35	0.7	167	6:35:00 AM Saturday
6/1/2019 6:36	0.5	157	6:36:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
6/1/2019 6:37	0.5	157	6:37:00 AM Saturday
6/1/2019 6:38	0.6	156	6:38:00 AM Saturday
6/1/2019 6:39	0.6	145	6:39:00 AM Saturday
6/1/2019 6:40	0.6	144	6:40:00 AM Saturday
6/1/2019 6:41	0.6	142	6:41:00 AM Saturday
6/1/2019 6:42	0.7	141	6:42:00 AM Saturday
6/1/2019 6:43	0.5	134	6:43:00 AM Saturday
6/1/2019 6:44	0.5	137	6:44:00 AM Saturday
6/1/2019 6:46	0.5	184	6:46:00 AM Saturday
6/1/2019 6:47	0.6	188	6:47:00 AM Saturday
6/1/2019 6:48	0.5	199	6:48:00 AM Saturday
6/1/2019 6:49	0.6	236	6:49:00 AM Saturday
6/1/2019 6:50	0.7	251	6:50:00 AM Saturday
6/1/2019 6:51	0.6	219	6:51:00 AM Saturday
6/1/2019 6:52	0.6	236	6:52:00 AM Saturday
6/1/2019 6:53	0.7	231	6:53:00 AM Saturday
6/1/2019 6:54	0.7	220	6:54:00 AM Saturday
6/1/2019 6:55	0.5	199	6:55:00 AM Saturday
6/1/2019 6:56	0.8	222	6:56:00 AM Saturday
6/1/2019 6:57	0.8	206	6:57:00 AM Saturday
6/1/2019 6:58	0.8	200	6:58:00 AM Saturday
6/1/2019 6:59	0.7	186	6:59:00 AM Saturday
6/1/2019 7:00	0.8	183	7:00:00 AM Saturday
6/1/2019 7:01	0.8	201	7:01:00 AM Saturday
6/1/2019 7:02	0.6	189	7:02:00 AM Saturday
6/1/2019 7:03	0.6	202	7:03:00 AM Saturday
6/1/2019 7:04	0.5	230	7:04:00 AM Saturday
6/1/2019 7:05	0.5	211	7:05:00 AM Saturday
6/1/2019 7:06	0.7	190	7:06:00 AM Saturday
6/1/2019 7:07	0.5	209	7:07:00 AM Saturday
6/1/2019 7:08	0.5	223	7:08:00 AM Saturday
6/1/2019 7:11	0.5	267	7:11:00 AM Saturday
6/1/2019 7:18	0.6	244	7:18:00 AM Saturday
6/1/2019 7:19	0.7	220	7:19:00 AM Saturday
6/1/2019 7:20	0.8	231	7:20:00 AM Saturday
6/1/2019 7:21	0.8	209	7:21:00 AM Saturday
6/1/2019 7:22	0.7	189	7:22:00 AM Saturday
6/1/2019 7:23	0.8	179	7:23:00 AM Saturday
6/1/2019 7:24	0.8	198	7:24:00 AM Saturday
6/1/2019 7:25	0.6	189	7:25:00 AM Saturday
6/1/2019 7:26	0.7	206	7:26:00 AM Saturday
6/1/2019 7:27	0.8	194	7:27:00 AM Saturday
6/1/2019 7:28	0.8	235	7:28:00 AM Saturday
6/1/2019 7:29	0.5	230	7:29:00 AM Saturday
6/1/2019 7:30	0.5	249	7:30:00 AM Saturday
6/1/2019 7:31	0.5	261	7:31:00 AM Saturday
6/1/2019 7:38	0.7	249	7:38:00 AM Saturday
6/1/2019 7:39	0.6	246	7:39:00 AM Saturday
6/1/2019 7:40	0.7	258	7:40:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
6/1/2019 7:41	0.5	265	7:41:00 AM Saturday
6/1/2019 8:41	0.6	226	8:41:00 AM Saturday
6/1/2019 8:46	0.5	241	8:46:00 AM Saturday
6/1/2019 8:51	0.7	228	8:51:00 AM Saturday
6/1/2019 9:08	0.6	268	9:08:00 AM Saturday
6/1/2019 9:09	0.6	268	9:09:00 AM Saturday
6/1/2019 9:12	0.6	222	9:12:00 AM Saturday
6/1/2019 9:14	0.6	232	9:14:00 AM Saturday
6/1/2019 9:16	0.9	254	9:16:00 AM Saturday
6/1/2019 9:21	0.5	226	9:21:00 AM Saturday
6/1/2019 9:22	0.5	238	9:22:00 AM Saturday
6/1/2019 9:37	0.5	249	9:37:00 AM Saturday
6/1/2019 12:41	0.6	268	12:41:00 PM Saturday
6/1/2019 12:42	0.6	243	12:42:00 PM Saturday
6/1/2019 12:43	0.7	257	12:43:00 PM Saturday
6/1/2019 12:44	0.5	240	12:44:00 PM Saturday
6/1/2019 12:48	0.6	247	12:48:00 PM Saturday
6/1/2019 13:05	0.7	256	1:05:00 PM Saturday
6/1/2019 13:06	0.6	235	1:06:00 PM Saturday
6/1/2019 13:08	0.8	223	1:08:00 PM Saturday
6/1/2019 13:09	0.7	216	1:09:00 PM Saturday
6/1/2019 13:10	0.5	238	1:10:00 PM Saturday
6/1/2019 13:11	0.7	237	1:11:00 PM Saturday
6/1/2019 13:12	0.5	235	1:12:00 PM Saturday
6/1/2019 13:14	0.8	247	1:14:00 PM Saturday
6/1/2019 13:16	0.5	266	1:16:00 PM Saturday
6/1/2019 13:17	0.7	251	1:17:00 PM Saturday
6/1/2019 13:19	0.5	238	1:19:00 PM Saturday
6/1/2019 13:20	0.6	216	1:20:00 PM Saturday
6/1/2019 13:21	0.5	191	1:21:00 PM Saturday
6/1/2019 13:25	0.8	257	1:25:00 PM Saturday
6/1/2019 13:26	0.7	255	1:26:00 PM Saturday
6/1/2019 13:27	0.6	247	1:27:00 PM Saturday
6/1/2019 13:29	0.7	217	1:29:00 PM Saturday
6/1/2019 13:30	0.6	227	1:30:00 PM Saturday
6/1/2019 13:31	0.5	245	1:31:00 PM Saturday
6/1/2019 13:32	0.5	218	1:32:00 PM Saturday
6/1/2019 13:33	0.5	211	1:33:00 PM Saturday
6/1/2019 13:34	1	214	1:34:00 PM Saturday
6/1/2019 13:37	0.7	227	1:37:00 PM Saturday
6/1/2019 13:38	0.5	266	1:38:00 PM Saturday
6/1/2019 13:39	0.6	253	1:39:00 PM Saturday
6/1/2019 13:40	0.8	243	1:40:00 PM Saturday
6/1/2019 13:41	0.6	241	1:41:00 PM Saturday
6/1/2019 13:42	0.6	216	1:42:00 PM Saturday
6/1/2019 13:43	0.9	197	1:43:00 PM Saturday
6/1/2019 13:44	0.6	204	1:44:00 PM Saturday
6/1/2019 13:45	0.8	227	1:45:00 PM Saturday
6/1/2019 13:49	0.9	269	1:49:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
6/1/2019 13:51	0.5	260	1:51:00 PM Saturday
6/1/2019 13:52	0.6	258	1:52:00 PM Saturday
6/1/2019 13:53	0.5	253	1:53:00 PM Saturday
6/1/2019 13:55	0.7	270	1:55:00 PM Saturday
6/1/2019 13:57	0.6	241	1:57:00 PM Saturday
6/1/2019 13:58	0.5	250	1:58:00 PM Saturday
6/1/2019 13:59	0.5	230	1:59:00 PM Saturday
6/1/2019 14:00	0.7	213	2:00:00 PM Saturday
6/1/2019 14:01	0.6	220	2:01:00 PM Saturday
6/1/2019 14:02	0.5	231	2:02:00 PM Saturday
6/1/2019 14:03	0.6	229	2:03:00 PM Saturday
6/1/2019 14:05	0.8	241	2:05:00 PM Saturday
6/1/2019 14:09	0.5	262	2:09:00 PM Saturday
6/1/2019 14:10	0.5	260	2:10:00 PM Saturday
6/1/2019 14:11	0.6	265	2:11:00 PM Saturday
6/1/2019 14:20	0.5	192	2:20:00 PM Saturday
6/1/2019 14:27	0.5	267	2:27:00 PM Saturday
6/1/2019 14:28	0.5	254	2:28:00 PM Saturday
6/1/2019 14:30	0.7	211	2:30:00 PM Saturday
6/1/2019 14:37	0.5	264	2:37:00 PM Saturday
6/1/2019 14:40	0.6	251	2:40:00 PM Saturday
6/1/2019 14:54	0.6	248	2:54:00 PM Saturday
6/1/2019 14:55	0.6	211	2:55:00 PM Saturday
6/1/2019 14:56	0.6	206	2:56:00 PM Saturday
6/1/2019 14:57	0.8	206	2:57:00 PM Saturday
6/1/2019 14:58	0.6	204	2:58:00 PM Saturday
6/1/2019 14:59	0.5	204	2:59:00 PM Saturday
6/1/2019 15:00	0.7	201	3:00:00 PM Saturday
6/1/2019 15:01	0.5	199	3:01:00 PM Saturday
6/1/2019 15:02	0.8	200	3:02:00 PM Saturday
6/1/2019 15:03	0.6	230	3:03:00 PM Saturday
6/1/2019 15:04	0.9	250	3:04:00 PM Saturday
6/1/2019 15:05	0.6	268	3:05:00 PM Saturday
6/1/2019 15:07	0.7	254	3:07:00 PM Saturday
6/1/2019 15:08	0.7	218	3:08:00 PM Saturday
6/1/2019 15:09	0.7	182	3:09:00 PM Saturday
6/1/2019 15:10	0.6	189	3:10:00 PM Saturday
6/1/2019 15:11	1	180	3:11:00 PM Saturday
6/1/2019 15:12	0.7	188	3:12:00 PM Saturday
6/1/2019 15:13	0.7	205	3:13:00 PM Saturday
6/1/2019 15:14	0.6	235	3:14:00 PM Saturday
6/1/2019 15:27	0.8	255	3:27:00 PM Saturday
6/1/2019 15:28	0.5	250	3:28:00 PM Saturday
6/1/2019 15:43	0.5	248	3:43:00 PM Saturday
6/1/2019 15:44	0.5	251	3:44:00 PM Saturday
6/1/2019 15:46	0.5	238	3:46:00 PM Saturday
6/1/2019 15:49	0.6	247	3:49:00 PM Saturday
6/1/2019 15:50	0.5	253	3:50:00 PM Saturday
6/1/2019 15:51	0.7	245	3:51:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
6/1/2019 15:52	0.5	232	3:52:00 PM Saturday
6/1/2019 15:53	0.6	204	3:53:00 PM Saturday
6/1/2019 15:54	0.7	200	3:54:00 PM Saturday
6/1/2019 15:57	0.6	207	3:57:00 PM Saturday
6/1/2019 16:00	0.5	247	4:00:00 PM Saturday
6/1/2019 16:24	0.5	261	4:24:00 PM Saturday
6/1/2019 16:25	0.6	246	4:25:00 PM Saturday
6/1/2019 16:26	0.8	244	4:26:00 PM Saturday
6/1/2019 16:29	0.5	259	4:29:00 PM Saturday
6/1/2019 16:30	0.5	265	4:30:00 PM Saturday
6/1/2019 16:31	0.5	266	4:31:00 PM Saturday
6/1/2019 16:32	0.6	253	4:32:00 PM Saturday
6/1/2019 16:33	0.5	253	4:33:00 PM Saturday
6/1/2019 16:37	0.5	243	4:37:00 PM Saturday
6/1/2019 16:38	0.6	248	4:38:00 PM Saturday
6/1/2019 16:39	0.5	236	4:39:00 PM Saturday
6/1/2019 16:42	0.7	211	4:42:00 PM Saturday
6/1/2019 16:43	0.5	192	4:43:00 PM Saturday
6/1/2019 16:44	0.5	204	4:44:00 PM Saturday
6/1/2019 16:45	0.5	218	4:45:00 PM Saturday
6/1/2019 16:46	0.5	199	4:46:00 PM Saturday
6/1/2019 16:48	0.6	247	4:48:00 PM Saturday
6/1/2019 16:49	0.6	251	4:49:00 PM Saturday
6/1/2019 16:50	0.5	232	4:50:00 PM Saturday
6/1/2019 16:51	0.5	264	4:51:00 PM Saturday
6/1/2019 16:52	0.7	267	4:52:00 PM Saturday
6/1/2019 16:53	0.8	267	4:53:00 PM Saturday
6/1/2019 16:54	0.7	249	4:54:00 PM Saturday
6/1/2019 16:55	1	229	4:55:00 PM Saturday
6/1/2019 16:56	0.7	225	4:56:00 PM Saturday
6/1/2019 16:57	0.5	205	4:57:00 PM Saturday
6/1/2019 16:58	0.6	212	4:58:00 PM Saturday
6/1/2019 16:59	0.8	229	4:59:00 PM Saturday
6/1/2019 17:00	0.6	266	5:00:00 PM Saturday
6/2/2019 12:48	0.5	183	12:48:00 PM Sunday
6/2/2019 12:49	0.5	189	12:49:00 PM Sunday
6/2/2019 12:51	0.5	184	12:51:00 PM Sunday
6/2/2019 12:56	0.5	213	12:56:00 PM Sunday
6/2/2019 12:57	0.5	224	12:57:00 PM Sunday
6/2/2019 13:11	0.5	266	1:11:00 PM Sunday
6/2/2019 13:13	0.5	264	1:13:00 PM Sunday
6/2/2019 13:14	0.6	255	1:14:00 PM Sunday
6/2/2019 13:49	0.5	227	1:49:00 PM Sunday
6/2/2019 13:50	0.6	214	1:50:00 PM Sunday
6/2/2019 14:00	0.5	254	2:00:00 PM Sunday
6/2/2019 15:02	0.5	254	3:02:00 PM Sunday
6/3/2019 10:57	0.5	253	10:57:00 AM Monday
6/3/2019 11:29	0.6	265	11:29:00 AM Monday
6/3/2019 11:30	1.3	261	11:30:00 AM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
6/3/2019 11:31	1.4	261	11:31:00 AM Monday
6/3/2019 11:48	1.4	265	11:48:00 AM Monday
6/3/2019 11:50	2.1	255	11:50:00 AM Monday
6/3/2019 11:51	3.2	259	11:51:00 AM Monday
6/3/2019 11:52	2.9	261	11:52:00 AM Monday
6/3/2019 12:35	0.6	229	12:35:00 PM Monday
6/3/2019 12:36	0.6	232	12:36:00 PM Monday
6/3/2019 12:37	0.7	228	12:37:00 PM Monday
6/3/2019 12:38	0.7	218	12:38:00 PM Monday
6/3/2019 12:39	0.7	218	12:39:00 PM Monday
6/3/2019 12:40	0.5	264	12:40:00 PM Monday
6/3/2019 12:41	0.9	259	12:41:00 PM Monday
6/3/2019 12:42	1.4	259	12:42:00 PM Monday
6/4/2019 7:38	0.5	164	7:38:00 AM Tuesday
6/4/2019 7:48	0.8	202	7:48:00 AM Tuesday
6/4/2019 7:49	0.6	221	7:49:00 AM Tuesday
6/4/2019 7:50	0.6	224	7:50:00 AM Tuesday
6/4/2019 7:51	0.7	224	7:51:00 AM Tuesday
6/4/2019 7:52	0.5	223	7:52:00 AM Tuesday
6/4/2019 7:53	0.5	222	7:53:00 AM Tuesday
6/4/2019 7:55	0.8	230	7:55:00 AM Tuesday
6/4/2019 7:56	0.8	230	7:56:00 AM Tuesday
6/4/2019 7:57	0.5	229	7:57:00 AM Tuesday
6/4/2019 7:58	0.6	224	7:58:00 AM Tuesday
6/4/2019 7:59	0.6	207	7:59:00 AM Tuesday
6/4/2019 8:01	0.5	177	8:01:00 AM Tuesday
6/4/2019 8:02	0.5	176	8:02:00 AM Tuesday
6/4/2019 8:03	0.5	179	8:03:00 AM Tuesday
6/4/2019 8:04	0.8	207	8:04:00 AM Tuesday
6/4/2019 8:05	0.7	222	8:05:00 AM Tuesday
6/4/2019 8:06	0.7	234	8:06:00 AM Tuesday
6/4/2019 8:07	0.6	235	8:07:00 AM Tuesday
6/4/2019 8:08	0.6	232	8:08:00 AM Tuesday
6/4/2019 8:09	0.6	215	8:09:00 AM Tuesday
6/4/2019 8:10	0.8	210	8:10:00 AM Tuesday
6/4/2019 8:11	0.5	199	8:11:00 AM Tuesday
6/4/2019 8:13	0.5	210	8:13:00 AM Tuesday
6/4/2019 8:15	0.5	233	8:15:00 AM Tuesday
6/4/2019 8:16	0.5	250	8:16:00 AM Tuesday
6/4/2019 8:17	0.5	251	8:17:00 AM Tuesday
6/4/2019 8:20	0.5	228	8:20:00 AM Tuesday
6/4/2019 8:21	0.5	212	8:21:00 AM Tuesday
6/4/2019 8:23	0.5	189	8:23:00 AM Tuesday
6/4/2019 8:50	0.5	239	8:50:00 AM Tuesday
6/4/2019 10:07	0.5	260	10:07:00 AM Tuesday
6/4/2019 10:08	0.5	247	10:08:00 AM Tuesday
6/4/2019 10:09	0.5	240	10:09:00 AM Tuesday
6/4/2019 10:12	0.8	238	10:12:00 AM Tuesday
6/4/2019 10:13	0.5	239	10:13:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert	
6/4/2019 10:14	0.9	244	10:14:00 AM	Tuesday
6/4/2019 10:15	0.7	238	10:15:00 AM	Tuesday
6/4/2019 10:29	0.6	264	10:29:00 AM	Tuesday
6/4/2019 10:30	0.7	259	10:30:00 AM	Tuesday
6/4/2019 10:31	0.5	249	10:31:00 AM	Tuesday
6/4/2019 10:32	0.5	249	10:32:00 AM	Tuesday
6/4/2019 10:35	0.7	241	10:35:00 AM	Tuesday
6/4/2019 10:36	0.9	234	10:36:00 AM	Tuesday
6/4/2019 10:37	1	227	10:37:00 AM	Tuesday
6/4/2019 10:38	0.7	209	10:38:00 AM	Tuesday
6/4/2019 10:39	0.6	199	10:39:00 AM	Tuesday
6/4/2019 10:40	1	195	10:40:00 AM	Tuesday
6/4/2019 10:41	0.5	191	10:41:00 AM	Tuesday
6/4/2019 10:43	1	212	10:43:00 AM	Tuesday
6/4/2019 10:46	0.8	251	10:46:00 AM	Tuesday
6/4/2019 10:47	0.7	247	10:47:00 AM	Tuesday
6/4/2019 10:49	0.7	241	10:49:00 AM	Tuesday
6/4/2019 10:50	0.9	233	10:50:00 AM	Tuesday
6/4/2019 10:51	0.8	234	10:51:00 AM	Tuesday
6/4/2019 10:52	0.9	249	10:52:00 AM	Tuesday
6/4/2019 10:57	0.6	221	10:57:00 AM	Tuesday
6/4/2019 11:15	0.6	228	11:15:00 AM	Tuesday
6/4/2019 11:22	0.5	246	11:22:00 AM	Tuesday
6/4/2019 15:47	0.5	222	3:47:00 PM	Tuesday
6/4/2019 15:57	0.5	247	3:57:00 PM	Tuesday
6/4/2019 15:58	0.5	234	3:58:00 PM	Tuesday
6/4/2019 15:59	0.5	222	3:59:00 PM	Tuesday
6/4/2019 16:00	0.5	213	4:00:00 PM	Tuesday
6/4/2019 16:28	0.5	222	4:28:00 PM	Tuesday
6/4/2019 16:51	0.6	224	4:51:00 PM	Tuesday
6/4/2019 17:09	0.5	259	5:09:00 PM	Tuesday
6/4/2019 17:16	0.5	247	5:16:00 PM	Tuesday
6/4/2019 17:22	0.6	260	5:22:00 PM	Tuesday
6/4/2019 17:41	0.5	259	5:41:00 PM	Tuesday
6/4/2019 17:44	0.5	225	5:44:00 PM	Tuesday
6/4/2019 17:48	0.6	230	5:48:00 PM	Tuesday
6/4/2019 17:50	0.6	232	5:50:00 PM	Tuesday
6/4/2019 17:51	0.6	230	5:51:00 PM	Tuesday
6/4/2019 21:40	0.5	260	9:40:00 PM	Tuesday
6/4/2019 21:47	0.6	162	9:47:00 PM	Tuesday
6/4/2019 21:59	0.5	257	9:59:00 PM	Tuesday
6/4/2019 22:00	0.5	251	10:00:00 PM	Tuesday
6/4/2019 23:01	0.5	237	11:01:00 PM	Tuesday
6/4/2019 23:02	0.5	239	11:02:00 PM	Tuesday
6/4/2019 23:03	0.5	219	11:03:00 PM	Tuesday
6/4/2019 23:05	0.7	221	11:05:00 PM	Tuesday
6/5/2019 1:01	0.5	264	1:01:00 AM	Wednesda
6/6/2019 15:28	0.5	245	3:28:05 PM	Thursday
6/7/2019 13:40	0.5	243	1:40:00 PM	Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert	
6/12/2019 15:09	0.5	234	3:09:05 PM	Wednesda
7/9/2019 15:08	0.6	241	3:08:00 PM	Tuesday
7/9/2019 15:44	0.5	265	3:44:00 PM	Tuesday
7/9/2019 15:55	0.7	206	3:55:00 PM	Tuesday
7/9/2019 16:10	0.6	246	4:10:00 PM	Tuesday
7/9/2019 16:11	0.5	238	4:11:00 PM	Tuesday
7/9/2019 16:12	0.6	220	4:12:00 PM	Tuesday
7/9/2019 16:13	0.5	195	4:13:00 PM	Tuesday
7/9/2019 16:14	0.8	186	4:14:00 PM	Tuesday
7/9/2019 16:15	0.5	186	4:15:00 PM	Tuesday
7/9/2019 16:17	0.6	174	4:17:00 PM	Tuesday
7/9/2019 16:19	0.6	193	4:19:00 PM	Tuesday
7/9/2019 16:21	0.6	215	4:21:00 PM	Tuesday
7/9/2019 16:22	0.6	214	4:22:00 PM	Tuesday
7/9/2019 16:25	0.8	188	4:25:00 PM	Tuesday
7/9/2019 16:27	0.6	192	4:27:00 PM	Tuesday
7/9/2019 16:28	0.9	193	4:28:00 PM	Tuesday
7/9/2019 16:32	0.5	185	4:32:00 PM	Tuesday
7/9/2019 16:33	0.7	170	4:33:00 PM	Tuesday
7/9/2019 16:34	0.7	177	4:34:00 PM	Tuesday
7/9/2019 16:35	0.5	185	4:35:00 PM	Tuesday
7/9/2019 16:36	0.6	181	4:36:00 PM	Tuesday
7/9/2019 16:38	0.7	203	4:38:00 PM	Tuesday
7/9/2019 16:40	0.6	201	4:40:00 PM	Tuesday
7/9/2019 16:42	0.9	202	4:42:00 PM	Tuesday
7/9/2019 16:43	1.3	208	4:43:00 PM	Tuesday
7/9/2019 16:44	0.8	199	4:44:00 PM	Tuesday
7/9/2019 16:45	0.8	201	4:45:00 PM	Tuesday
7/9/2019 16:46	0.9	200	4:46:00 PM	Tuesday
7/9/2019 16:47	0.8	203	4:47:00 PM	Tuesday
7/9/2019 16:48	1	203	4:48:00 PM	Tuesday
7/9/2019 16:49	1	219	4:49:00 PM	Tuesday
7/9/2019 16:50	1	217	4:50:00 PM	Tuesday
7/9/2019 16:52	0.9	211	4:52:00 PM	Tuesday
7/9/2019 16:53	0.9	196	4:53:00 PM	Tuesday
7/9/2019 16:55	0.8	186	4:55:00 PM	Tuesday
7/9/2019 16:56	0.8	185	4:56:00 PM	Tuesday
7/9/2019 16:57	0.6	187	4:57:00 PM	Tuesday
7/9/2019 17:00	0.6	219	5:00:00 PM	Tuesday
7/9/2019 17:01	0.5	224	5:01:00 PM	Tuesday
7/9/2019 17:02	0.7	206	5:02:00 PM	Tuesday
7/9/2019 17:03	0.8	193	5:03:00 PM	Tuesday
7/9/2019 17:04	0.9	184	5:04:00 PM	Tuesday
7/9/2019 17:05	0.6	184	5:05:00 PM	Tuesday
7/9/2019 17:07	0.5	199	5:07:00 PM	Tuesday
7/9/2019 17:10	0.7	225	5:10:00 PM	Tuesday
7/9/2019 17:11	0.5	227	5:11:00 PM	Tuesday
7/9/2019 17:12	0.7	211	5:12:00 PM	Tuesday
7/9/2019 17:14	0.5	190	5:14:00 PM	Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert	
7/9/2019 17:16	1	192	5:16:00 PM	Tuesday
7/9/2019 17:27	1.1	249	5:27:00 PM	Tuesday
7/9/2019 17:28	0.5	238	5:28:00 PM	Tuesday
7/9/2019 17:37	0.8	103	5:37:00 PM	Tuesday
7/9/2019 17:38	0.7	115	5:38:00 PM	Tuesday
7/9/2019 17:44	0.5	241	5:44:00 PM	Tuesday
7/9/2019 17:45	0.9	229	5:45:00 PM	Tuesday
7/9/2019 17:46	1	216	5:46:00 PM	Tuesday
7/9/2019 17:47	0.7	198	5:47:00 PM	Tuesday
7/9/2019 17:51	0.8	130	5:51:00 PM	Tuesday
7/9/2019 17:54	1	145	5:54:00 PM	Tuesday
7/9/2019 17:56	0.5	173	5:56:00 PM	Tuesday
7/9/2019 17:59	0.5	145	5:59:00 PM	Tuesday
7/9/2019 18:04	0.6	139	6:04:00 PM	Tuesday
7/9/2019 18:05	1.3	145	6:05:00 PM	Tuesday
7/9/2019 18:07	0.9	175	6:07:00 PM	Tuesday
7/9/2019 18:08	1.4	180	6:08:00 PM	Tuesday
7/9/2019 18:11	0.9	171	6:11:00 PM	Tuesday
7/9/2019 18:12	0.9	171	6:12:00 PM	Tuesday
7/9/2019 18:13	0.5	173	6:13:00 PM	Tuesday
7/9/2019 18:14	1.2	167	6:14:00 PM	Tuesday
7/9/2019 18:15	0.6	169	6:15:00 PM	Tuesday
7/9/2019 18:16	0.8	182	6:16:00 PM	Tuesday
7/9/2019 18:19	0.9	181	6:19:00 PM	Tuesday
7/9/2019 18:20	0.6	186	6:20:00 PM	Tuesday
7/9/2019 18:21	1	189	6:21:00 PM	Tuesday
7/9/2019 18:22	0.5	193	6:22:00 PM	Tuesday
7/9/2019 18:23	0.7	192	6:23:00 PM	Tuesday
7/9/2019 18:24	0.8	193	6:24:00 PM	Tuesday
7/9/2019 18:26	1.1	188	6:26:00 PM	Tuesday
7/9/2019 18:27	1	183	6:27:00 PM	Tuesday
7/9/2019 18:28	0.5	189	6:28:00 PM	Tuesday
7/9/2019 18:29	0.6	203	6:29:00 PM	Tuesday
7/9/2019 18:31	0.6	212	6:31:00 PM	Tuesday
7/9/2019 18:32	0.6	215	6:32:00 PM	Tuesday
7/9/2019 18:33	1.2	211	6:33:00 PM	Tuesday
7/9/2019 18:34	1.2	198	6:34:00 PM	Tuesday
7/9/2019 18:35	1.3	194	6:35:00 PM	Tuesday
7/9/2019 18:36	0.8	192	6:36:00 PM	Tuesday
7/9/2019 18:37	0.6	192	6:37:00 PM	Tuesday
7/9/2019 18:38	0.8	198	6:38:00 PM	Tuesday
7/9/2019 18:39	0.7	201	6:39:00 PM	Tuesday
7/9/2019 18:41	0.8	208	6:41:00 PM	Tuesday
7/9/2019 18:42	1	210	6:42:00 PM	Tuesday
7/9/2019 18:44	0.5	224	6:44:00 PM	Tuesday
7/9/2019 18:48	0.7	234	6:48:00 PM	Tuesday
7/9/2019 18:50	1.4	229	6:50:00 PM	Tuesday
7/10/2019 18:27	0.5	259	6:27:00 PM	Wednesda
7/10/2019 18:42	0.5	235	6:42:00 PM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/10/2019 18:49	0.6	256	6:49:00 PM	Wednesda
7/10/2019 19:09	0.5	248	7:09:00 PM	Wednesda
7/10/2019 19:30	0.5	233	7:30:00 PM	Wednesda
7/11/2019 8:03	0.6	153	8:03:00 AM	Thursday
7/11/2019 8:04	0.5	145	8:04:00 AM	Thursday
7/11/2019 8:11	0.5	133	8:11:00 AM	Thursday
7/11/2019 8:12	0.6	147	8:12:00 AM	Thursday
7/11/2019 8:13	0.6	152	8:13:00 AM	Thursday
7/11/2019 8:27	0.5	108	8:27:00 AM	Thursday
7/11/2019 8:29	0.6	102	8:29:00 AM	Thursday
7/11/2019 8:31	0.5	154	8:31:00 AM	Thursday
7/11/2019 8:33	0.5	145	8:33:00 AM	Thursday
7/11/2019 8:34	0.6	164	8:34:00 AM	Thursday
7/11/2019 8:35	0.7	165	8:35:00 AM	Thursday
7/11/2019 8:36	0.6	148	8:36:00 AM	Thursday
7/11/2019 8:37	0.5	128	8:37:00 AM	Thursday
7/11/2019 8:38	0.5	182	8:38:00 AM	Thursday
7/11/2019 8:40	0.5	137	8:40:00 AM	Thursday
7/11/2019 8:41	0.5	161	8:41:00 AM	Thursday
7/11/2019 8:43	0.5	139	8:43:00 AM	Thursday
7/11/2019 8:44	0.5	139	8:44:00 AM	Thursday
7/11/2019 8:45	0.5	129	8:45:00 AM	Thursday
7/11/2019 8:51	0.5	121	8:51:00 AM	Thursday
7/11/2019 8:52	0.5	140	8:52:00 AM	Thursday
7/11/2019 8:54	0.5	204	8:54:00 AM	Thursday
7/11/2019 8:55	0.6	205	8:55:00 AM	Thursday
7/11/2019 8:56	0.5	203	8:56:00 AM	Thursday
7/11/2019 8:58	0.5	167	8:58:00 AM	Thursday
7/11/2019 9:00	0.5	155	9:00:00 AM	Thursday
7/11/2019 9:01	0.5	150	9:01:00 AM	Thursday
7/11/2019 9:03	0.5	171	9:03:00 AM	Thursday
7/11/2019 9:06	0.7	152	9:06:00 AM	Thursday
7/11/2019 9:07	0.5	145	9:07:00 AM	Thursday
7/11/2019 9:08	0.5	113	9:08:00 AM	Thursday
7/11/2019 9:10	0.5	144	9:10:00 AM	Thursday
7/11/2019 9:11	0.5	144	9:11:00 AM	Thursday
7/11/2019 9:13	0.5	159	9:13:00 AM	Thursday
7/11/2019 9:14	0.5	167	9:14:00 AM	Thursday
7/11/2019 9:15	0.5	120	9:15:00 AM	Thursday
7/11/2019 9:21	0.7	92	9:21:00 AM	Thursday
7/11/2019 9:22	0.5	126	9:22:00 AM	Thursday
7/11/2019 9:23	0.5	151	9:23:00 AM	Thursday
7/11/2019 9:24	0.5	136	9:24:00 AM	Thursday
7/11/2019 9:26	0.5	162	9:26:00 AM	Thursday
7/11/2019 9:27	0.5	133	9:27:00 AM	Thursday
7/11/2019 9:28	0.6	136	9:28:00 AM	Thursday
7/11/2019 9:30	0.5	139	9:30:00 AM	Thursday
7/11/2019 9:31	0.5	137	9:31:00 AM	Thursday
7/11/2019 9:36	0.5	90	9:36:00 AM	Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/11/2019 9:38	0.5	130	9:38:00 AM Thursday
7/11/2019 9:39	0.5	134	9:39:00 AM Thursday
7/11/2019 9:40	0.6	145	9:40:00 AM Thursday
7/11/2019 9:41	0.6	184	9:41:00 AM Thursday
7/11/2019 9:42	0.5	158	9:42:00 AM Thursday
7/11/2019 9:43	0.6	165	9:43:00 AM Thursday
7/11/2019 9:47	0.5	143	9:47:00 AM Thursday
7/11/2019 9:49	0.5	163	9:49:00 AM Thursday
7/11/2019 9:50	0.6	211	9:50:00 AM Thursday
7/11/2019 9:51	0.5	201	9:51:00 AM Thursday
7/11/2019 9:52	0.6	240	9:52:00 AM Thursday
7/11/2019 9:53	0.6	218	9:53:00 AM Thursday
7/11/2019 9:54	0.6	216	9:54:00 AM Thursday
7/11/2019 9:55	0.5	196	9:55:00 AM Thursday
7/11/2019 9:56	0.5	218	9:56:00 AM Thursday
7/11/2019 9:57	0.6	204	9:57:00 AM Thursday
7/11/2019 9:58	0.6	213	9:58:00 AM Thursday
7/11/2019 9:59	0.6	212	9:59:00 AM Thursday
7/11/2019 10:00	0.6	234	10:00:00 AM Thursday
7/11/2019 10:01	0.5	228	10:01:00 AM Thursday
7/11/2019 10:02	0.6	219	10:02:00 AM Thursday
7/11/2019 10:03	0.5	226	10:03:00 AM Thursday
7/11/2019 10:04	0.5	222	10:04:00 AM Thursday
7/11/2019 10:05	0.5	205	10:05:00 AM Thursday
7/11/2019 10:06	0.5	217	10:06:00 AM Thursday
7/11/2019 10:08	0.5	225	10:08:00 AM Thursday
7/11/2019 10:09	0.5	247	10:09:00 AM Thursday
7/11/2019 10:16	0.7	264	10:16:00 AM Thursday
7/11/2019 10:17	0.6	233	10:17:00 AM Thursday
7/11/2019 10:18	0.5	238	10:18:00 AM Thursday
7/11/2019 10:23	0.5	266	10:23:00 AM Thursday
7/11/2019 10:25	0.6	238	10:25:00 AM Thursday
7/11/2019 10:26	0.6	209	10:26:00 AM Thursday
7/11/2019 10:27	0.6	203	10:27:00 AM Thursday
7/11/2019 10:28	0.6	176	10:28:00 AM Thursday
7/11/2019 10:29	0.6	167	10:29:00 AM Thursday
7/11/2019 10:31	0.6	196	10:31:00 AM Thursday
7/11/2019 10:32	0.6	206	10:32:00 AM Thursday
7/11/2019 10:34	0.5	236	10:34:00 AM Thursday
7/11/2019 10:35	0.5	233	10:35:00 AM Thursday
7/11/2019 10:37	0.5	253	10:37:00 AM Thursday
7/11/2019 10:43	0.6	255	10:43:00 AM Thursday
7/11/2019 10:45	0.5	226	10:45:00 AM Thursday
7/11/2019 10:47	0.5	230	10:47:00 AM Thursday
7/11/2019 10:49	0.6	238	10:49:00 AM Thursday
7/11/2019 10:50	0.6	227	10:50:00 AM Thursday
7/11/2019 10:51	0.6	230	10:51:00 AM Thursday
7/11/2019 10:52	0.7	208	10:52:00 AM Thursday
7/11/2019 10:54	0.7	221	10:54:00 AM Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/11/2019 10:55	0.5	238	10:55:00 AM Thursday
7/11/2019 11:19	0.5	218	11:19:00 AM Thursday
7/11/2019 11:20	0.5	197	11:20:00 AM Thursday
7/11/2019 11:21	0.5	186	11:21:00 AM Thursday
7/11/2019 11:24	0.5	183	11:24:00 AM Thursday
7/11/2019 11:25	0.6	186	11:25:00 AM Thursday
7/11/2019 11:26	0.7	199	11:26:00 AM Thursday
7/11/2019 11:27	0.6	191	11:27:00 AM Thursday
7/11/2019 11:28	0.5	221	11:28:00 AM Thursday
7/11/2019 11:29	0.5	239	11:29:00 AM Thursday
7/11/2019 11:30	0.7	240	11:30:00 AM Thursday
7/11/2019 11:31	0.5	247	11:31:00 AM Thursday
7/11/2019 11:33	3	212	11:33:00 AM Thursday
7/11/2019 11:34	1	171	11:34:00 AM Thursday
7/11/2019 11:35	1.6	182	11:35:00 AM Thursday
7/11/2019 11:36	1	175	11:36:00 AM Thursday
7/11/2019 11:37	1.1	178	11:37:00 AM Thursday
7/11/2019 11:38	0.8	209	11:38:00 AM Thursday
7/11/2019 11:39	0.6	222	11:39:00 AM Thursday
7/11/2019 11:40	0.7	199	11:40:00 AM Thursday
7/11/2019 11:41	0.6	197	11:41:00 AM Thursday
7/11/2019 11:56	0.5	247	11:56:00 AM Thursday
7/11/2019 11:57	0.6	243	11:57:00 AM Thursday
7/11/2019 11:58	0.6	225	11:58:00 AM Thursday
7/11/2019 11:59	0.6	202	11:59:00 AM Thursday
7/11/2019 12:00	0.7	195	12:00:00 PM Thursday
7/11/2019 12:03	0.5	226	12:03:00 PM Thursday
7/11/2019 12:05	0.5	258	12:05:00 PM Thursday
7/11/2019 12:07	0.6	225	12:07:00 PM Thursday
7/11/2019 12:08	0.9	221	12:08:00 PM Thursday
7/11/2019 12:09	0.7	210	12:09:00 PM Thursday
7/11/2019 12:10	0.7	179	12:10:00 PM Thursday
7/11/2019 12:11	0.7	172	12:11:00 PM Thursday
7/11/2019 12:12	0.9	161	12:12:00 PM Thursday
7/11/2019 12:13	0.5	161	12:13:00 PM Thursday
7/11/2019 12:15	0.5	186	12:15:00 PM Thursday
7/11/2019 12:16	0.5	208	12:16:00 PM Thursday
7/11/2019 12:17	0.5	227	12:17:00 PM Thursday
7/11/2019 12:19	1.1	235	12:19:00 PM Thursday
7/11/2019 12:20	0.8	233	12:20:00 PM Thursday
7/11/2019 12:21	0.9	228	12:21:00 PM Thursday
7/11/2019 12:22	0.9	212	12:22:00 PM Thursday
7/11/2019 12:23	0.9	195	12:23:00 PM Thursday
7/11/2019 12:24	0.5	207	12:24:00 PM Thursday
7/11/2019 12:25	0.5	206	12:25:00 PM Thursday
7/11/2019 12:26	0.5	206	12:26:00 PM Thursday
7/11/2019 12:27	0.5	207	12:27:00 PM Thursday
7/11/2019 12:28	0.8	212	12:28:00 PM Thursday
7/11/2019 12:29	0.7	197	12:29:00 PM Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/11/2019 12:30	0.8	193	12:30:00 PM Thursday
7/11/2019 12:31	0.6	215	12:31:00 PM Thursday
7/11/2019 12:32	0.6	221	12:32:00 PM Thursday
7/11/2019 12:33	1	223	12:33:00 PM Thursday
7/11/2019 12:34	0.9	217	12:34:00 PM Thursday
7/11/2019 12:35	0.7	192	12:35:00 PM Thursday
7/11/2019 12:36	0.7	169	12:36:00 PM Thursday
7/11/2019 12:37	0.8	178	12:37:00 PM Thursday
7/11/2019 12:38	0.8	163	12:38:00 PM Thursday
7/11/2019 12:39	0.9	165	12:39:00 PM Thursday
7/11/2019 12:40	0.6	195	12:40:00 PM Thursday
7/11/2019 12:41	1.1	217	12:41:00 PM Thursday
7/11/2019 12:42	0.9	217	12:42:00 PM Thursday
7/11/2019 12:43	0.5	248	12:43:00 PM Thursday
7/11/2019 12:44	0.5	265	12:44:00 PM Thursday
7/11/2019 12:46	0.7	269	12:46:00 PM Thursday
7/11/2019 12:48	0.7	266	12:48:00 PM Thursday
7/11/2019 12:50	0.7	263	12:50:00 PM Thursday
7/11/2019 12:51	0.6	242	12:51:00 PM Thursday
7/11/2019 12:52	0.6	192	12:52:00 PM Thursday
7/11/2019 12:53	0.6	193	12:53:00 PM Thursday
7/11/2019 12:54	0.8	136	12:54:00 PM Thursday
7/11/2019 12:55	0.8	124	12:55:00 PM Thursday
7/11/2019 12:56	0.7	129	12:56:00 PM Thursday
7/11/2019 12:57	0.8	143	12:57:00 PM Thursday
7/11/2019 12:58	0.7	134	12:58:00 PM Thursday
7/11/2019 12:59	0.8	178	12:59:00 PM Thursday
7/11/2019 13:00	0.8	209	1:00:00 PM Thursday
7/11/2019 13:01	0.5	212	1:01:00 PM Thursday
7/11/2019 13:02	0.6	230	1:02:00 PM Thursday
7/11/2019 13:03	0.6	244	1:03:00 PM Thursday
7/11/2019 13:04	0.5	254	1:04:00 PM Thursday
7/11/2019 13:09	0.7	268	1:09:00 PM Thursday
7/11/2019 13:10	0.5	261	1:10:00 PM Thursday
7/11/2019 13:11	0.6	259	1:11:00 PM Thursday
7/11/2019 13:13	0.6	236	1:13:00 PM Thursday
7/11/2019 13:14	0.6	237	1:14:00 PM Thursday
7/11/2019 13:15	0.8	236	1:15:00 PM Thursday
7/11/2019 13:16	0.7	230	1:16:00 PM Thursday
7/11/2019 13:17	0.6	215	1:17:00 PM Thursday
7/11/2019 14:00	0.5	209	2:00:00 PM Thursday
7/11/2019 14:02	0.5	212	2:02:00 PM Thursday
7/11/2019 14:03	0.7	217	2:03:00 PM Thursday
7/11/2019 14:05	0.5	247	2:05:00 PM Thursday
7/11/2019 17:17	0.5	211	5:17:00 PM Thursday
7/11/2019 17:19	0.5	203	5:19:00 PM Thursday
7/11/2019 17:21	0.5	208	5:21:00 PM Thursday
7/11/2019 17:22	0.5	199	5:22:00 PM Thursday
7/11/2019 17:30	0.5	199	5:30:00 PM Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/11/2019 18:49	0.5	232	6:49:00 PM Thursday
7/11/2019 18:54	0.5	231	6:54:00 PM Thursday
7/11/2019 18:56	0.6	225	6:56:00 PM Thursday
7/11/2019 19:01	0.5	234	7:01:00 PM Thursday
7/11/2019 19:02	0.5	227	7:02:00 PM Thursday
7/11/2019 19:03	0.5	229	7:03:00 PM Thursday
7/11/2019 19:04	0.5	213	7:04:00 PM Thursday
7/11/2019 19:05	0.5	239	7:05:00 PM Thursday
7/11/2019 19:06	0.5	234	7:06:00 PM Thursday
7/11/2019 19:08	0.5	231	7:08:00 PM Thursday
7/11/2019 19:09	0.5	252	7:09:00 PM Thursday
7/11/2019 19:10	0.5	233	7:10:00 PM Thursday
7/11/2019 19:11	0.5	230	7:11:00 PM Thursday
7/11/2019 19:12	0.5	239	7:12:00 PM Thursday
7/11/2019 19:13	0.5	227	7:13:00 PM Thursday
7/11/2019 19:15	0.5	209	7:15:00 PM Thursday
7/11/2019 19:17	0.5	211	7:17:00 PM Thursday
7/13/2019 7:54	0.5	231	7:54:00 AM Saturday
7/13/2019 7:56	0.5	217	7:56:00 AM Saturday
7/13/2019 7:57	0.5	231	7:57:00 AM Saturday
7/13/2019 7:58	0.5	228	7:58:00 AM Saturday
7/13/2019 7:59	0.5	204	7:59:00 AM Saturday
7/13/2019 8:00	0.5	209	8:00:00 AM Saturday
7/13/2019 8:01	0.6	208	8:01:00 AM Saturday
7/13/2019 8:02	0.6	215	8:02:00 AM Saturday
7/13/2019 8:03	0.6	212	8:03:00 AM Saturday
7/13/2019 8:04	0.7	216	8:04:00 AM Saturday
7/13/2019 8:05	0.6	212	8:05:00 AM Saturday
7/13/2019 8:06	0.6	215	8:06:00 AM Saturday
7/13/2019 8:07	0.5	204	8:07:00 AM Saturday
7/13/2019 8:08	0.5	210	8:08:00 AM Saturday
7/13/2019 8:09	0.6	204	8:09:00 AM Saturday
7/13/2019 8:10	0.6	217	8:10:00 AM Saturday
7/13/2019 8:15	0.5	244	8:15:00 AM Saturday
7/13/2019 8:16	0.5	234	8:16:00 AM Saturday
7/13/2019 8:17	0.6	205	8:17:00 AM Saturday
7/13/2019 8:18	0.6	212	8:18:00 AM Saturday
7/13/2019 8:19	0.6	208	8:19:00 AM Saturday
7/13/2019 8:20	0.5	205	8:20:00 AM Saturday
7/13/2019 8:21	0.5	218	8:21:00 AM Saturday
7/13/2019 8:23	0.5	220	8:23:00 AM Saturday
7/13/2019 8:24	0.6	207	8:24:00 AM Saturday
7/13/2019 8:25	0.6	230	8:25:00 AM Saturday
7/13/2019 8:26	0.7	206	8:26:00 AM Saturday
7/13/2019 8:27	0.6	183	8:27:00 AM Saturday
7/13/2019 8:28	0.6	205	8:28:00 AM Saturday
7/13/2019 8:29	0.6	207	8:29:00 AM Saturday
7/13/2019 8:30	0.5	175	8:30:00 AM Saturday
7/13/2019 8:31	0.5	191	8:31:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/13/2019 8:32	0.5	203	8:32:00 AM Saturday
7/13/2019 8:33	0.5	194	8:33:00 AM Saturday
7/13/2019 8:35	0.5	227	8:35:00 AM Saturday
7/13/2019 8:36	0.6	214	8:36:00 AM Saturday
7/13/2019 8:37	0.5	220	8:37:00 AM Saturday
7/13/2019 8:38	0.5	218	8:38:00 AM Saturday
7/13/2019 8:40	0.5	233	8:40:00 AM Saturday
7/13/2019 8:43	0.5	232	8:43:00 AM Saturday
7/13/2019 8:44	0.5	212	8:44:00 AM Saturday
7/13/2019 8:45	0.7	197	8:45:00 AM Saturday
7/13/2019 8:46	0.6	196	8:46:00 AM Saturday
7/13/2019 8:47	0.5	180	8:47:00 AM Saturday
7/13/2019 8:48	0.6	182	8:48:00 AM Saturday
7/13/2019 8:49	0.5	184	8:49:00 AM Saturday
7/13/2019 8:50	0.5	187	8:50:00 AM Saturday
7/13/2019 8:52	0.5	187	8:52:00 AM Saturday
7/13/2019 8:53	0.5	184	8:53:00 AM Saturday
7/13/2019 8:54	0.6	196	8:54:00 AM Saturday
7/13/2019 8:57	0.5	243	8:57:00 AM Saturday
7/13/2019 8:59	0.5	263	8:59:00 AM Saturday
7/13/2019 9:01	0.5	232	9:01:00 AM Saturday
7/13/2019 9:19	0.5	207	9:19:00 AM Saturday
7/13/2019 9:20	0.6	190	9:20:00 AM Saturday
7/13/2019 9:21	0.5	198	9:21:00 AM Saturday
7/13/2019 9:32	0.5	247	9:32:00 AM Saturday
7/13/2019 9:33	0.5	227	9:33:00 AM Saturday
7/13/2019 9:35	0.5	211	9:35:00 AM Saturday
7/13/2019 9:42	0.5	245	9:42:00 AM Saturday
7/13/2019 9:51	0.5	219	9:51:00 AM Saturday
7/13/2019 10:10	0.7	263	10:10:00 AM Saturday
7/13/2019 10:37	0.5	245	10:37:00 AM Saturday
7/13/2019 10:44	0.5	259	10:44:00 AM Saturday
7/13/2019 16:21	0.5	237	4:21:00 PM Saturday
7/13/2019 16:26	0.8	229	4:26:00 PM Saturday
7/13/2019 16:27	0.8	236	4:27:00 PM Saturday
7/13/2019 16:28	0.6	250	4:28:00 PM Saturday
7/13/2019 16:29	0.6	203	4:29:00 PM Saturday
7/13/2019 16:30	0.5	192	4:30:00 PM Saturday
7/13/2019 16:31	0.5	191	4:31:00 PM Saturday
7/13/2019 16:38	0.5	239	4:38:00 PM Saturday
7/13/2019 17:27	0.5	256	5:27:00 PM Saturday
7/14/2019 9:44	0.7	245	9:44:00 AM Sunday
7/14/2019 9:47	0.6	211	9:47:00 AM Sunday
7/14/2019 9:48	0.8	212	9:48:00 AM Sunday
7/14/2019 9:49	0.7	213	9:49:00 AM Sunday
7/14/2019 9:50	0.5	201	9:50:00 AM Sunday
7/14/2019 9:53	0.6	220	9:53:00 AM Sunday
7/14/2019 9:54	0.5	212	9:54:00 AM Sunday
7/14/2019 9:58	0.9	227	9:58:00 AM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/14/2019 9:59	0.8	228	9:59:00 AM Sunday
7/14/2019 10:01	1	213	10:01:00 AM Sunday
7/14/2019 10:04	0.7	239	10:04:00 AM Sunday
7/14/2019 10:05	0.5	236	10:05:00 AM Sunday
7/14/2019 10:06	0.5	217	10:06:00 AM Sunday
7/14/2019 10:07	0.7	193	10:07:00 AM Sunday
7/14/2019 10:08	0.6	194	10:08:00 AM Sunday
7/14/2019 10:09	0.6	187	10:09:00 AM Sunday
7/14/2019 10:10	0.6	189	10:10:00 AM Sunday
7/14/2019 10:15	0.5	219	10:15:00 AM Sunday
7/14/2019 10:16	0.7	193	10:16:00 AM Sunday
7/14/2019 10:17	0.7	167	10:17:00 AM Sunday
7/14/2019 10:18	0.9	165	10:18:00 AM Sunday
7/14/2019 10:19	0.6	162	10:19:00 AM Sunday
7/14/2019 10:20	0.8	174	10:20:00 AM Sunday
7/14/2019 10:21	0.9	178	10:21:00 AM Sunday
7/14/2019 10:22	0.9	201	10:22:00 AM Sunday
7/14/2019 10:23	0.7	206	10:23:00 AM Sunday
7/14/2019 10:24	1	215	10:24:00 AM Sunday
7/14/2019 10:25	0.8	206	10:25:00 AM Sunday
7/14/2019 10:26	0.8	205	10:26:00 AM Sunday
7/14/2019 10:27	0.8	199	10:27:00 AM Sunday
7/14/2019 10:28	0.6	199	10:28:00 AM Sunday
7/14/2019 10:29	0.8	199	10:29:00 AM Sunday
7/14/2019 10:30	0.9	198	10:30:00 AM Sunday
7/14/2019 10:31	0.6	195	10:31:00 AM Sunday
7/14/2019 10:32	1	199	10:32:00 AM Sunday
7/14/2019 10:33	0.5	193	10:33:00 AM Sunday
7/14/2019 10:34	0.9	200	10:34:00 AM Sunday
7/14/2019 10:38	0.6	200	10:38:00 AM Sunday
7/14/2019 10:39	0.6	189	10:39:00 AM Sunday
7/14/2019 10:47	0.6	242	10:47:00 AM Sunday
7/14/2019 11:30	0.5	264	11:30:00 AM Sunday
7/14/2019 11:31	0.5	243	11:31:00 AM Sunday
7/14/2019 11:32	0.8	242	11:32:00 AM Sunday
7/14/2019 11:37	0.6	248	11:37:00 AM Sunday
7/14/2019 11:40	0.7	266	11:40:00 AM Sunday
7/14/2019 11:45	0.5	220	11:45:00 AM Sunday
7/14/2019 11:46	0.5	215	11:46:00 AM Sunday
7/14/2019 22:45	0.5	240	10:45:00 PM Sunday
7/14/2019 22:49	0.5	222	10:49:00 PM Sunday
7/14/2019 23:22	0.5	233	11:22:00 PM Sunday
7/14/2019 23:23	0.6	233	11:23:00 PM Sunday
7/14/2019 23:24	0.6	237	11:24:00 PM Sunday
7/14/2019 23:25	0.6	248	11:25:00 PM Sunday
7/14/2019 23:26	0.5	258	11:26:00 PM Sunday
7/14/2019 23:27	0.6	260	11:27:00 PM Sunday
7/14/2019 23:28	0.6	270	11:28:00 PM Sunday
7/14/2019 23:32	0.7	259	11:32:00 PM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/14/2019 23:33	0.6	241	11:33:00 PM Sunday
7/14/2019 23:34	0.6	223	11:34:00 PM Sunday
7/14/2019 23:35	0.5	199	11:35:00 PM Sunday
7/14/2019 23:36	0.6	176	11:36:00 PM Sunday
7/14/2019 23:37	0.6	170	11:37:00 PM Sunday
7/14/2019 23:38	0.7	160	11:38:00 PM Sunday
7/14/2019 23:39	1.2	149	11:39:00 PM Sunday
7/14/2019 23:40	1.1	143	11:40:00 PM Sunday
7/14/2019 23:41	0.9	153	11:41:00 PM Sunday
7/14/2019 23:42	0.9	160	11:42:00 PM Sunday
7/14/2019 23:43	1.1	160	11:43:00 PM Sunday
7/14/2019 23:44	1.1	166	11:44:00 PM Sunday
7/14/2019 23:45	1	172	11:45:00 PM Sunday
7/14/2019 23:46	0.9	163	11:46:00 PM Sunday
7/14/2019 23:47	0.9	141	11:47:00 PM Sunday
7/14/2019 23:48	0.8	131	11:48:00 PM Sunday
7/14/2019 23:49	0.7	117	11:49:00 PM Sunday
7/14/2019 23:50	0.8	103	11:50:00 PM Sunday
7/14/2019 23:52	0.7	90	11:52:00 PM Sunday
7/14/2019 23:53	0.6	91	11:53:00 PM Sunday
7/14/2019 23:54	0.5	103	11:54:00 PM Sunday
7/14/2019 23:55	0.6	113	11:55:00 PM Sunday
7/14/2019 23:56	0.6	122	11:56:00 PM Sunday
7/14/2019 23:57	0.6	130	11:57:00 PM Sunday
7/14/2019 23:58	0.6	140	11:58:00 PM Sunday
7/14/2019 23:59	0.7	137	11:59:00 PM Sunday
7/15/2019 0:00	0.6	138	12:00:00 AM Monday
7/15/2019 0:01	0.5	133	12:01:00 AM Monday
7/15/2019 0:30	0.5	204	12:30:00 AM Monday
7/15/2019 0:31	0.5	207	12:31:00 AM Monday
7/15/2019 0:32	0.7	212	12:32:00 AM Monday
7/15/2019 0:33	0.6	202	12:33:00 AM Monday
7/15/2019 0:34	0.7	197	12:34:00 AM Monday
7/15/2019 0:35	0.7	196	12:35:00 AM Monday
7/15/2019 0:36	0.7	194	12:36:00 AM Monday
7/15/2019 0:37	0.7	184	12:37:00 AM Monday
7/15/2019 0:38	0.6	191	12:38:00 AM Monday
7/15/2019 0:39	0.6	199	12:39:00 AM Monday
7/15/2019 0:40	0.6	209	12:40:00 AM Monday
7/15/2019 0:41	0.7	223	12:41:00 AM Monday
7/15/2019 0:42	0.7	245	12:42:00 AM Monday
7/15/2019 0:43	0.7	244	12:43:00 AM Monday
7/15/2019 0:44	0.7	244	12:44:00 AM Monday
7/15/2019 0:45	0.7	240	12:45:00 AM Monday
7/15/2019 0:46	0.6	236	12:46:00 AM Monday
7/15/2019 0:47	0.6	232	12:47:00 AM Monday
7/15/2019 0:48	0.6	232	12:48:00 AM Monday
7/15/2019 0:49	0.6	225	12:49:00 AM Monday
7/15/2019 0:50	0.6	219	12:50:00 AM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/15/2019 0:51	0.5	205	12:51:00 AM Monday
7/15/2019 0:52	0.5	199	12:52:00 AM Monday
7/15/2019 0:53	0.5	180	12:53:00 AM Monday
7/15/2019 8:00	0.5	122	8:00:00 AM Monday
7/15/2019 8:01	0.5	140	8:01:00 AM Monday
7/15/2019 8:02	0.6	159	8:02:00 AM Monday
7/15/2019 8:03	0.5	179	8:03:00 AM Monday
7/15/2019 8:04	0.7	203	8:04:00 AM Monday
7/15/2019 8:05	0.8	208	8:05:00 AM Monday
7/15/2019 8:06	0.8	199	8:06:00 AM Monday
7/15/2019 8:07	0.6	190	8:07:00 AM Monday
7/15/2019 8:08	0.7	183	8:08:00 AM Monday
7/15/2019 8:09	0.6	171	8:09:00 AM Monday
7/15/2019 8:10	0.5	158	8:10:00 AM Monday
7/15/2019 8:11	0.7	163	8:11:00 AM Monday
7/15/2019 8:12	0.8	168	8:12:00 AM Monday
7/15/2019 8:13	0.7	171	8:13:00 AM Monday
7/15/2019 8:14	0.5	179	8:14:00 AM Monday
7/15/2019 8:15	0.5	200	8:15:00 AM Monday
7/15/2019 8:16	0.8	209	8:16:00 AM Monday
7/15/2019 8:17	0.6	227	8:17:00 AM Monday
7/15/2019 8:19	0.7	262	8:19:00 AM Monday
7/15/2019 8:20	0.5	264	8:20:00 AM Monday
7/15/2019 8:27	0.5	264	8:27:00 AM Monday
7/15/2019 8:28	0.6	264	8:28:00 AM Monday
7/15/2019 8:50	0.6	261	8:50:00 AM Monday
7/15/2019 8:51	0.7	256	8:51:00 AM Monday
7/15/2019 8:52	0.5	252	8:52:00 AM Monday
7/15/2019 9:05	0.8	268	9:05:00 AM Monday
7/15/2019 9:06	0.8	262	9:06:00 AM Monday
7/15/2019 9:09	0.7	268	9:09:00 AM Monday
7/15/2019 9:10	0.9	270	9:10:00 AM Monday
7/15/2019 9:11	0.8	256	9:11:00 AM Monday
7/15/2019 9:12	0.6	236	9:12:00 AM Monday
7/15/2019 9:13	1.2	230	9:13:00 AM Monday
7/15/2019 9:14	0.6	235	9:14:00 AM Monday
7/15/2019 9:15	0.7	236	9:15:00 AM Monday
7/15/2019 9:16	0.7	253	9:16:00 AM Monday
7/15/2019 9:18	0.8	260	9:18:00 AM Monday
7/15/2019 9:19	0.9	247	9:19:00 AM Monday
7/15/2019 9:20	0.7	233	9:20:00 AM Monday
7/15/2019 9:21	0.7	222	9:21:00 AM Monday
7/15/2019 9:22	0.7	218	9:22:00 AM Monday
7/15/2019 9:23	0.6	214	9:23:00 AM Monday
7/15/2019 9:24	0.6	223	9:24:00 AM Monday
7/15/2019 9:25	0.6	241	9:25:00 AM Monday
7/15/2019 9:26	0.5	239	9:26:00 AM Monday
7/15/2019 9:27	1	244	9:27:00 AM Monday
7/15/2019 9:28	0.9	261	9:28:00 AM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/15/2019 9:29	0.6	261	9:29:00 AM Monday
7/15/2019 9:30	0.6	241	9:30:00 AM Monday
7/15/2019 9:36	0.7	230	9:36:00 AM Monday
7/15/2019 9:37	0.7	243	9:37:00 AM Monday
7/15/2019 9:38	0.8	257	9:38:00 AM Monday
7/15/2019 9:39	0.9	268	9:39:00 AM Monday
7/15/2019 9:48	0.8	268	9:48:00 AM Monday
7/15/2019 9:50	0.5	240	9:50:00 AM Monday
7/15/2019 9:51	0.5	227	9:51:00 AM Monday
7/15/2019 10:26	0.5	239	10:26:00 AM Monday
7/15/2019 11:25	0.5	268	11:25:00 AM Monday
7/15/2019 17:44	0.6	194	5:44:00 PM Monday
7/15/2019 17:50	0.6	198	5:50:00 PM Monday
7/15/2019 17:51	1.5	226	5:51:00 PM Monday
7/15/2019 17:52	1.6	242	5:52:00 PM Monday
7/15/2019 17:53	1.9	256	5:53:00 PM Monday
7/15/2019 17:54	1.1	262	5:54:00 PM Monday
7/15/2019 17:55	0.8	255	5:55:00 PM Monday
7/15/2019 17:56	1.2	260	5:56:00 PM Monday
7/15/2019 17:57	2.7	260	5:57:00 PM Monday
7/15/2019 17:58	1.6	245	5:58:00 PM Monday
7/15/2019 17:59	1.6	251	5:59:00 PM Monday
7/15/2019 19:47	0.5	225	7:47:00 PM Monday
7/15/2019 19:58	0.5	122	7:58:00 PM Monday
7/15/2019 19:59	0.5	121	7:59:00 PM Monday
7/15/2019 20:00	0.6	124	8:00:00 PM Monday
7/15/2019 20:01	0.7	127	8:01:00 PM Monday
7/15/2019 20:02	0.5	131	8:02:00 PM Monday
7/15/2019 20:23	0.8	119	8:23:00 PM Monday
7/15/2019 20:24	1.5	125	8:24:00 PM Monday
7/15/2019 20:26	0.5	135	8:26:00 PM Monday
7/15/2019 20:38	0.5	109	8:38:00 PM Monday
7/15/2019 21:33	0.5	100	9:33:00 PM Monday
7/15/2019 21:34	0.7	100	9:34:00 PM Monday
7/15/2019 21:35	0.5	100	9:35:00 PM Monday
7/15/2019 21:53	0.6	93	9:53:00 PM Monday
7/15/2019 21:56	0.7	93	9:56:00 PM Monday
7/15/2019 22:15	0.5	93	10:15:00 PM Monday
7/15/2019 22:16	0.5	93	10:16:00 PM Monday
7/15/2019 22:17	1.3	93	10:17:00 PM Monday
7/15/2019 22:18	0.7	93	10:18:00 PM Monday
7/15/2019 22:19	2.6	94	10:19:00 PM Monday
7/16/2019 2:23	0.6	120	2:23:00 AM Tuesday
7/16/2019 2:27	0.6	133	2:27:00 AM Tuesday
7/16/2019 2:55	0.6	143	2:55:00 AM Tuesday
7/16/2019 3:00	0.6	149	3:00:00 AM Tuesday
7/16/2019 3:01	0.7	151	3:01:00 AM Tuesday
7/16/2019 3:02	0.6	154	3:02:00 AM Tuesday
7/16/2019 3:03	0.7	158	3:03:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/16/2019 3:04	0.6	167	3:04:00 AM Tuesday
7/16/2019 3:05	0.7	169	3:05:00 AM Tuesday
7/16/2019 3:06	0.6	169	3:06:00 AM Tuesday
7/16/2019 3:07	0.5	168	3:07:00 AM Tuesday
7/16/2019 3:08	0.8	167	3:08:00 AM Tuesday
7/16/2019 3:09	0.6	160	3:09:00 AM Tuesday
7/16/2019 3:10	0.5	159	3:10:00 AM Tuesday
7/16/2019 3:11	0.5	163	3:11:00 AM Tuesday
7/16/2019 3:12	0.7	163	3:12:00 AM Tuesday
7/16/2019 3:13	0.6	165	3:13:00 AM Tuesday
7/16/2019 3:14	0.8	165	3:14:00 AM Tuesday
7/16/2019 3:15	0.7	166	3:15:00 AM Tuesday
7/16/2019 3:16	0.7	163	3:16:00 AM Tuesday
7/16/2019 3:17	0.6	163	3:17:00 AM Tuesday
7/16/2019 3:18	0.6	163	3:18:00 AM Tuesday
7/16/2019 3:19	0.7	163	3:19:00 AM Tuesday
7/16/2019 3:20	0.7	164	3:20:00 AM Tuesday
7/16/2019 3:21	0.7	160	3:21:00 AM Tuesday
7/16/2019 3:22	0.6	151	3:22:00 AM Tuesday
7/16/2019 3:25	0.6	114	3:25:00 AM Tuesday
7/16/2019 3:26	0.7	126	3:26:00 AM Tuesday
7/16/2019 3:27	0.6	143	3:27:00 AM Tuesday
7/16/2019 3:28	0.5	147	3:28:00 AM Tuesday
7/16/2019 3:29	0.5	151	3:29:00 AM Tuesday
7/16/2019 3:30	0.5	168	3:30:00 AM Tuesday
7/16/2019 3:31	0.6	168	3:31:00 AM Tuesday
7/16/2019 3:32	0.6	169	3:32:00 AM Tuesday
7/16/2019 3:33	0.5	174	3:33:00 AM Tuesday
7/16/2019 3:34	0.5	178	3:34:00 AM Tuesday
7/16/2019 3:35	0.6	182	3:35:00 AM Tuesday
7/16/2019 3:36	0.8	172	3:36:00 AM Tuesday
7/16/2019 3:37	0.6	163	3:37:00 AM Tuesday
7/16/2019 3:38	0.6	180	3:38:00 AM Tuesday
7/16/2019 3:39	0.5	202	3:39:00 AM Tuesday
7/16/2019 3:40	0.8	211	3:40:00 AM Tuesday
7/16/2019 3:41	0.8	218	3:41:00 AM Tuesday
7/16/2019 3:42	0.8	224	3:42:00 AM Tuesday
7/16/2019 3:43	0.8	213	3:43:00 AM Tuesday
7/16/2019 3:44	0.8	192	3:44:00 AM Tuesday
7/16/2019 3:45	0.6	191	3:45:00 AM Tuesday
7/16/2019 3:46	0.6	193	3:46:00 AM Tuesday
7/16/2019 3:47	0.6	197	3:47:00 AM Tuesday
7/16/2019 3:48	0.5	199	3:48:00 AM Tuesday
7/16/2019 3:49	0.6	206	3:49:00 AM Tuesday
7/16/2019 3:50	0.5	206	3:50:00 AM Tuesday
7/16/2019 3:51	0.6	199	3:51:00 AM Tuesday
7/16/2019 3:52	0.7	193	3:52:00 AM Tuesday
7/16/2019 3:53	0.6	187	3:53:00 AM Tuesday
7/16/2019 3:54	0.5	181	3:54:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/16/2019 3:55	0.8	175	3:55:00 AM Tuesday
7/16/2019 3:56	0.8	175	3:56:00 AM Tuesday
7/16/2019 3:57	0.7	174	3:57:00 AM Tuesday
7/16/2019 3:58	0.6	173	3:58:00 AM Tuesday
7/16/2019 3:59	0.6	171	3:59:00 AM Tuesday
7/16/2019 4:00	0.9	169	4:00:00 AM Tuesday
7/16/2019 4:01	1	168	4:01:00 AM Tuesday
7/16/2019 4:02	0.9	168	4:02:00 AM Tuesday
7/16/2019 4:03	0.8	168	4:03:00 AM Tuesday
7/16/2019 4:04	0.7	162	4:04:00 AM Tuesday
7/16/2019 4:06	0.5	151	4:06:00 AM Tuesday
7/16/2019 4:07	0.6	145	4:07:00 AM Tuesday
7/16/2019 4:08	0.6	140	4:08:00 AM Tuesday
7/16/2019 4:09	0.9	140	4:09:00 AM Tuesday
7/16/2019 4:10	0.7	140	4:10:00 AM Tuesday
7/16/2019 4:11	0.8	141	4:11:00 AM Tuesday
7/16/2019 4:12	0.9	142	4:12:00 AM Tuesday
7/16/2019 4:13	0.8	143	4:13:00 AM Tuesday
7/16/2019 4:14	0.9	144	4:14:00 AM Tuesday
7/16/2019 4:15	0.9	144	4:15:00 AM Tuesday
7/16/2019 4:16	0.9	144	4:16:00 AM Tuesday
7/16/2019 4:17	1	144	4:17:00 AM Tuesday
7/16/2019 4:18	0.9	144	4:18:00 AM Tuesday
7/16/2019 4:19	0.8	144	4:19:00 AM Tuesday
7/16/2019 4:20	0.9	144	4:20:00 AM Tuesday
7/16/2019 4:21	0.6	144	4:21:00 AM Tuesday
7/16/2019 4:22	0.9	144	4:22:00 AM Tuesday
7/16/2019 4:23	0.7	144	4:23:00 AM Tuesday
7/16/2019 4:24	0.6	147	4:24:00 AM Tuesday
7/16/2019 4:25	0.7	150	4:25:00 AM Tuesday
7/16/2019 4:26	0.7	154	4:26:00 AM Tuesday
7/16/2019 4:27	0.8	157	4:27:00 AM Tuesday
7/16/2019 4:28	0.8	161	4:28:00 AM Tuesday
7/16/2019 4:29	0.8	161	4:29:00 AM Tuesday
7/16/2019 4:30	0.6	161	4:30:00 AM Tuesday
7/16/2019 4:31	0.5	161	4:31:00 AM Tuesday
7/16/2019 4:32	0.5	160	4:32:00 AM Tuesday
7/16/2019 4:39	0.5	142	4:39:00 AM Tuesday
7/16/2019 4:41	0.6	134	4:41:00 AM Tuesday
7/16/2019 4:42	0.9	134	4:42:00 AM Tuesday
7/16/2019 4:43	0.5	134	4:43:00 AM Tuesday
7/16/2019 4:44	0.8	139	4:44:00 AM Tuesday
7/16/2019 4:57	0.6	132	4:57:00 AM Tuesday
7/16/2019 5:04	0.9	126	5:04:00 AM Tuesday
7/16/2019 5:05	0.9	153	5:05:00 AM Tuesday
7/16/2019 5:06	0.6	180	5:06:00 AM Tuesday
7/16/2019 5:09	0.6	200	5:09:00 AM Tuesday
7/16/2019 5:12	0.6	147	5:12:00 AM Tuesday
7/16/2019 5:13	0.6	145	5:13:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/16/2019 5:14	0.8	144	5:14:00 AM	Tuesday
7/16/2019 5:15	0.7	144	5:15:00 AM	Tuesday
7/16/2019 5:17	0.5	139	5:17:00 AM	Tuesday
7/16/2019 5:21	0.6	115	5:21:00 AM	Tuesday
7/16/2019 5:24	0.5	114	5:24:00 AM	Tuesday
7/16/2019 5:25	0.5	114	5:25:00 AM	Tuesday
7/16/2019 5:26	0.9	114	5:26:00 AM	Tuesday
7/16/2019 5:29	0.5	114	5:29:00 AM	Tuesday
7/16/2019 5:32	0.5	122	5:32:00 AM	Tuesday
7/16/2019 5:33	0.7	126	5:33:00 AM	Tuesday
7/16/2019 5:34	0.7	140	5:34:00 AM	Tuesday
7/16/2019 5:35	0.7	154	5:35:00 AM	Tuesday
7/16/2019 5:36	0.7	164	5:36:00 AM	Tuesday
7/16/2019 5:37	0.7	174	5:37:00 AM	Tuesday
7/16/2019 5:38	0.9	183	5:38:00 AM	Tuesday
7/16/2019 5:39	0.7	183	5:39:00 AM	Tuesday
7/16/2019 5:40	0.5	183	5:40:00 AM	Tuesday
7/16/2019 5:41	0.5	183	5:41:00 AM	Tuesday
7/16/2019 5:42	0.6	183	5:42:00 AM	Tuesday
7/16/2019 5:43	0.9	183	5:43:00 AM	Tuesday
7/16/2019 5:44	0.9	182	5:44:00 AM	Tuesday
7/16/2019 5:45	0.9	181	5:45:00 AM	Tuesday
7/16/2019 5:46	0.7	181	5:46:00 AM	Tuesday
7/16/2019 5:47	0.6	176	5:47:00 AM	Tuesday
7/16/2019 5:48	0.6	170	5:48:00 AM	Tuesday
7/16/2019 5:49	0.5	166	5:49:00 AM	Tuesday
7/16/2019 5:50	0.5	154	5:50:00 AM	Tuesday
7/16/2019 5:52	0.6	147	5:52:00 AM	Tuesday
7/16/2019 5:53	0.6	145	5:53:00 AM	Tuesday
7/16/2019 5:54	0.6	142	5:54:00 AM	Tuesday
7/16/2019 5:55	0.6	142	5:55:00 AM	Tuesday
7/16/2019 5:56	0.6	141	5:56:00 AM	Tuesday
7/16/2019 5:57	0.5	138	5:57:00 AM	Tuesday
7/16/2019 5:58	0.6	137	5:58:00 AM	Tuesday
7/16/2019 5:59	0.6	138	5:59:00 AM	Tuesday
7/16/2019 6:00	0.6	150	6:00:00 AM	Tuesday
7/16/2019 6:01	0.6	157	6:01:00 AM	Tuesday
7/16/2019 6:02	0.7	162	6:02:00 AM	Tuesday
7/16/2019 6:03	0.7	166	6:03:00 AM	Tuesday
7/16/2019 6:04	0.7	170	6:04:00 AM	Tuesday
7/16/2019 6:05	0.6	159	6:05:00 AM	Tuesday
7/16/2019 6:06	0.6	148	6:06:00 AM	Tuesday
7/16/2019 6:07	0.8	141	6:07:00 AM	Tuesday
7/16/2019 6:08	0.6	136	6:08:00 AM	Tuesday
7/16/2019 6:09	0.5	129	6:09:00 AM	Tuesday
7/16/2019 8:30	0.5	256	8:30:00 AM	Tuesday
7/16/2019 23:32	0.5	121	11:32:00 PM	Tuesday
7/16/2019 23:47	0.5	128	11:47:00 PM	Tuesday
7/17/2019 2:41	0.5	189	2:41:00 AM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/17/2019 2:42	0.5	189	2:42:00 AM	Wednesda
7/17/2019 2:43	0.5	170	2:43:00 AM	Wednesda
7/17/2019 2:44	0.5	190	2:44:00 AM	Wednesda
7/17/2019 2:45	0.5	188	2:45:00 AM	Wednesda
7/17/2019 2:46	0.5	176	2:46:00 AM	Wednesda
7/17/2019 2:47	0.5	156	2:47:00 AM	Wednesda
7/17/2019 2:48	0.5	154	2:48:00 AM	Wednesda
7/17/2019 2:56	0.5	225	2:56:00 AM	Wednesda
7/17/2019 2:57	0.5	224	2:57:00 AM	Wednesda
7/17/2019 2:58	0.5	207	2:58:00 AM	Wednesda
7/17/2019 2:59	0.5	200	2:59:00 AM	Wednesda
7/17/2019 3:00	0.5	187	3:00:00 AM	Wednesda
7/17/2019 3:01	0.5	177	3:01:00 AM	Wednesda
7/17/2019 3:02	0.5	168	3:02:00 AM	Wednesda
7/17/2019 4:23	0.5	140	4:23:00 AM	Wednesda
7/17/2019 5:01	0.5	132	5:01:00 AM	Wednesda
7/17/2019 5:12	0.5	232	5:12:00 AM	Wednesda
7/17/2019 5:15	0.5	253	5:15:00 AM	Wednesda
7/17/2019 5:17	0.5	198	5:17:00 AM	Wednesda
7/17/2019 5:18	0.6	182	5:18:00 AM	Wednesda
7/17/2019 5:19	0.6	154	5:19:00 AM	Wednesda
7/17/2019 5:20	0.6	185	5:20:00 AM	Wednesda
7/17/2019 5:21	0.6	175	5:21:00 AM	Wednesda
7/17/2019 5:22	0.6	164	5:22:00 AM	Wednesda
7/17/2019 5:23	0.6	144	5:23:00 AM	Wednesda
7/17/2019 5:24	0.6	129	5:24:00 AM	Wednesda
7/17/2019 5:25	0.6	107	5:25:00 AM	Wednesda
7/17/2019 5:26	0.6	101	5:26:00 AM	Wednesda
7/17/2019 5:27	0.6	95	5:27:00 AM	Wednesda
7/17/2019 5:29	0.6	95	5:29:00 AM	Wednesda
7/17/2019 5:30	0.6	106	5:30:00 AM	Wednesda
7/17/2019 5:31	0.7	142	5:31:00 AM	Wednesda
7/17/2019 5:32	0.7	154	5:32:00 AM	Wednesda
7/17/2019 5:33	0.6	168	5:33:00 AM	Wednesda
7/17/2019 5:34	0.6	165	5:34:00 AM	Wednesda
7/17/2019 5:35	0.6	178	5:35:00 AM	Wednesda
7/17/2019 5:36	0.6	164	5:36:00 AM	Wednesda
7/17/2019 5:37	0.6	165	5:37:00 AM	Wednesda
7/17/2019 5:38	0.6	161	5:38:00 AM	Wednesda
7/17/2019 5:39	0.6	162	5:39:00 AM	Wednesda
7/17/2019 5:40	0.8	152	5:40:00 AM	Wednesda
7/17/2019 5:41	0.7	138	5:41:00 AM	Wednesda
7/17/2019 5:42	0.7	143	5:42:00 AM	Wednesda
7/17/2019 5:43	0.6	127	5:43:00 AM	Wednesda
7/17/2019 5:44	0.6	127	5:44:00 AM	Wednesda
7/17/2019 5:45	0.6	122	5:45:00 AM	Wednesda
7/17/2019 5:46	0.6	121	5:46:00 AM	Wednesda
7/17/2019 5:47	0.6	113	5:47:00 AM	Wednesda
7/17/2019 5:48	0.5	126	5:48:00 AM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/17/2019 5:49	0.6	128	5:49:00 AM	Wednesda
7/17/2019 5:50	0.6	135	5:50:00 AM	Wednesda
7/17/2019 5:51	0.6	142	5:51:00 AM	Wednesda
7/17/2019 5:52	0.7	148	5:52:00 AM	Wednesda
7/17/2019 5:53	0.6	155	5:53:00 AM	Wednesda
7/17/2019 5:54	0.6	155	5:54:00 AM	Wednesda
7/17/2019 5:55	0.6	155	5:55:00 AM	Wednesda
7/17/2019 5:56	0.7	156	5:56:00 AM	Wednesda
7/17/2019 5:57	0.7	157	5:57:00 AM	Wednesda
7/17/2019 5:58	0.7	176	5:58:00 AM	Wednesda
7/17/2019 5:59	0.8	197	5:59:00 AM	Wednesda
7/17/2019 6:00	0.8	197	6:00:00 AM	Wednesda
7/17/2019 6:01	0.7	205	6:01:00 AM	Wednesda
7/17/2019 6:02	0.8	213	6:02:00 AM	Wednesda
7/17/2019 6:03	0.8	201	6:03:00 AM	Wednesda
7/17/2019 6:04	0.9	177	6:04:00 AM	Wednesda
7/17/2019 6:05	0.7	177	6:05:00 AM	Wednesda
7/17/2019 6:06	0.7	180	6:06:00 AM	Wednesda
7/17/2019 6:07	0.7	188	6:07:00 AM	Wednesda
7/17/2019 6:08	0.7	181	6:08:00 AM	Wednesda
7/17/2019 6:09	0.7	187	6:09:00 AM	Wednesda
7/17/2019 6:10	0.7	189	6:10:00 AM	Wednesda
7/17/2019 6:11	0.7	179	6:11:00 AM	Wednesda
7/17/2019 6:12	0.7	166	6:12:00 AM	Wednesda
7/17/2019 6:13	0.6	167	6:13:00 AM	Wednesda
7/17/2019 6:14	0.6	167	6:14:00 AM	Wednesda
7/17/2019 6:15	0.6	167	6:15:00 AM	Wednesda
7/17/2019 6:16	0.6	165	6:16:00 AM	Wednesda
7/17/2019 6:17	0.6	182	6:17:00 AM	Wednesda
7/17/2019 6:18	0.6	182	6:18:00 AM	Wednesda
7/17/2019 6:19	0.5	182	6:19:00 AM	Wednesda
7/17/2019 6:20	0.5	178	6:20:00 AM	Wednesda
7/17/2019 6:21	0.5	176	6:21:00 AM	Wednesda
7/17/2019 6:22	0.5	155	6:22:00 AM	Wednesda
7/17/2019 6:23	0.5	148	6:23:00 AM	Wednesda
7/17/2019 6:24	0.5	142	6:24:00 AM	Wednesda
7/17/2019 6:25	0.5	147	6:25:00 AM	Wednesda
7/17/2019 6:26	0.6	145	6:26:00 AM	Wednesda
7/17/2019 6:27	0.7	146	6:27:00 AM	Wednesda
7/17/2019 6:28	0.6	149	6:28:00 AM	Wednesda
7/17/2019 6:29	0.6	147	6:29:00 AM	Wednesda
7/17/2019 6:30	0.5	136	6:30:00 AM	Wednesda
7/17/2019 6:31	0.5	132	6:31:00 AM	Wednesda
7/17/2019 6:32	0.5	132	6:32:00 AM	Wednesda
7/17/2019 6:33	0.6	132	6:33:00 AM	Wednesda
7/17/2019 6:34	0.6	137	6:34:00 AM	Wednesda
7/17/2019 6:35	0.7	141	6:35:00 AM	Wednesda
7/17/2019 6:36	0.6	165	6:36:00 AM	Wednesda
7/17/2019 6:37	0.6	182	6:37:00 AM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/17/2019 6:38	0.6	221	6:38:00 AM	Wednesda
7/17/2019 6:39	0.5	226	6:39:00 AM	Wednesda
7/17/2019 6:40	0.6	226	6:40:00 AM	Wednesda
7/17/2019 6:41	0.5	218	6:41:00 AM	Wednesda
7/17/2019 6:42	0.6	194	6:42:00 AM	Wednesda
7/17/2019 6:43	0.7	149	6:43:00 AM	Wednesda
7/17/2019 6:44	0.8	139	6:44:00 AM	Wednesda
7/17/2019 6:45	0.7	143	6:45:00 AM	Wednesda
7/17/2019 6:46	0.7	119	6:46:00 AM	Wednesda
7/17/2019 6:47	0.7	113	6:47:00 AM	Wednesda
7/17/2019 6:48	0.6	107	6:48:00 AM	Wednesda
7/17/2019 6:49	0.6	126	6:49:00 AM	Wednesda
7/17/2019 6:50	0.6	125	6:50:00 AM	Wednesda
7/17/2019 6:51	0.6	132	6:51:00 AM	Wednesda
7/17/2019 6:52	0.6	139	6:52:00 AM	Wednesda
7/17/2019 6:53	0.5	145	6:53:00 AM	Wednesda
7/17/2019 6:54	0.5	123	6:54:00 AM	Wednesda
7/17/2019 6:55	0.5	117	6:55:00 AM	Wednesda
7/17/2019 6:56	0.5	113	6:56:00 AM	Wednesda
7/17/2019 6:57	0.6	121	6:57:00 AM	Wednesda
7/17/2019 6:58	0.5	124	6:58:00 AM	Wednesda
7/17/2019 6:59	0.5	126	6:59:00 AM	Wednesda
7/17/2019 7:00	0.6	131	7:00:00 AM	Wednesda
7/17/2019 7:01	0.6	136	7:01:00 AM	Wednesda
7/17/2019 7:02	0.6	141	7:02:00 AM	Wednesda
7/17/2019 7:03	0.6	148	7:03:00 AM	Wednesda
7/17/2019 7:04	0.7	156	7:04:00 AM	Wednesda
7/17/2019 7:05	0.7	161	7:05:00 AM	Wednesda
7/17/2019 7:06	0.7	173	7:06:00 AM	Wednesda
7/17/2019 7:07	0.7	189	7:07:00 AM	Wednesda
7/17/2019 7:08	0.7	212	7:08:00 AM	Wednesda
7/17/2019 7:09	0.7	211	7:09:00 AM	Wednesda
7/17/2019 7:10	0.8	204	7:10:00 AM	Wednesda
7/17/2019 7:11	0.7	209	7:11:00 AM	Wednesda
7/17/2019 7:12	0.7	210	7:12:00 AM	Wednesda
7/17/2019 7:13	0.8	183	7:13:00 AM	Wednesda
7/17/2019 7:14	0.9	189	7:14:00 AM	Wednesda
7/17/2019 7:15	0.8	210	7:15:00 AM	Wednesda
7/17/2019 7:16	0.7	236	7:16:00 AM	Wednesda
7/17/2019 7:17	0.7	221	7:17:00 AM	Wednesda
7/17/2019 7:18	0.7	256	7:18:00 AM	Wednesda
7/17/2019 7:19	0.6	247	7:19:00 AM	Wednesda
7/17/2019 7:20	0.7	248	7:20:00 AM	Wednesda
7/17/2019 7:21	0.6	210	7:21:00 AM	Wednesda
7/17/2019 7:22	0.6	198	7:22:00 AM	Wednesda
7/17/2019 7:23	0.6	156	7:23:00 AM	Wednesda
7/17/2019 7:24	0.6	161	7:24:00 AM	Wednesda
7/17/2019 7:25	0.5	147	7:25:00 AM	Wednesda
7/17/2019 7:26	0.5	146	7:26:00 AM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/17/2019 7:27	0.5	141	7:27:00 AM	Wednesda
7/17/2019 7:28	0.5	132	7:28:00 AM	Wednesda
7/17/2019 7:29	0.5	112	7:29:00 AM	Wednesda
7/17/2019 7:30	0.5	106	7:30:00 AM	Wednesda
7/17/2019 7:31	0.6	111	7:31:00 AM	Wednesda
7/17/2019 7:32	0.6	125	7:32:00 AM	Wednesda
7/17/2019 7:33	0.6	146	7:33:00 AM	Wednesda
7/17/2019 7:34	0.6	169	7:34:00 AM	Wednesda
7/17/2019 7:35	0.6	167	7:35:00 AM	Wednesda
7/17/2019 7:36	0.6	157	7:36:00 AM	Wednesda
7/17/2019 7:37	0.6	153	7:37:00 AM	Wednesda
7/17/2019 7:38	0.6	139	7:38:00 AM	Wednesda
7/17/2019 7:39	0.6	122	7:39:00 AM	Wednesda
7/17/2019 7:40	0.6	126	7:40:00 AM	Wednesda
7/17/2019 7:41	0.6	135	7:41:00 AM	Wednesda
7/17/2019 7:42	0.5	139	7:42:00 AM	Wednesda
7/17/2019 7:43	0.5	152	7:43:00 AM	Wednesda
7/17/2019 7:44	0.6	158	7:44:00 AM	Wednesda
7/17/2019 7:45	0.5	171	7:45:00 AM	Wednesda
7/17/2019 7:46	0.5	169	7:46:00 AM	Wednesda
7/17/2019 7:47	0.5	167	7:47:00 AM	Wednesda
7/17/2019 7:48	0.5	165	7:48:00 AM	Wednesda
7/17/2019 7:49	0.5	164	7:49:00 AM	Wednesda
7/17/2019 7:50	0.5	150	7:50:00 AM	Wednesda
7/17/2019 7:51	0.5	165	7:51:00 AM	Wednesda
7/17/2019 7:52	0.6	173	7:52:00 AM	Wednesda
7/17/2019 7:53	0.6	183	7:53:00 AM	Wednesda
7/17/2019 7:54	0.6	200	7:54:00 AM	Wednesda
7/17/2019 7:55	0.6	213	7:55:00 AM	Wednesda
7/17/2019 7:56	0.6	215	7:56:00 AM	Wednesda
7/17/2019 7:57	0.6	223	7:57:00 AM	Wednesda
7/17/2019 7:58	0.7	229	7:58:00 AM	Wednesda
7/17/2019 7:59	0.7	234	7:59:00 AM	Wednesda
7/17/2019 8:00	0.6	237	8:00:00 AM	Wednesda
7/17/2019 8:01	0.6	224	8:01:00 AM	Wednesda
7/17/2019 8:02	0.5	238	8:02:00 AM	Wednesda
7/17/2019 8:03	0.5	220	8:03:00 AM	Wednesda
7/17/2019 9:58	0.5	194	9:58:00 AM	Wednesda
7/17/2019 9:59	0.5	192	9:59:00 AM	Wednesda
7/17/2019 10:00	0.5	185	10:00:00 AM	Wednesda
7/17/2019 10:01	0.5	173	10:01:00 AM	Wednesda
7/17/2019 10:02	0.5	165	10:02:00 AM	Wednesda
7/17/2019 10:03	0.5	156	10:03:00 AM	Wednesda
7/17/2019 10:04	0.5	151	10:04:00 AM	Wednesda
7/17/2019 10:05	0.5	145	10:05:00 AM	Wednesda
7/17/2019 10:06	0.5	152	10:06:00 AM	Wednesda
7/17/2019 10:07	0.5	171	10:07:00 AM	Wednesda
7/17/2019 10:08	0.5	198	10:08:00 AM	Wednesda
7/17/2019 10:09	0.5	201	10:09:00 AM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/17/2019 10:10	0.5	214	10:10:00 AM	Wednesda
7/17/2019 10:12	0.5	208	10:12:00 AM	Wednesda
7/17/2019 10:16	0.5	156	10:16:00 AM	Wednesda
7/17/2019 10:17	0.5	151	10:17:00 AM	Wednesda
7/17/2019 10:18	0.5	145	10:18:00 AM	Wednesda
7/17/2019 10:19	0.5	131	10:19:00 AM	Wednesda
7/17/2019 10:20	0.5	134	10:20:00 AM	Wednesda
7/17/2019 10:21	0.5	136	10:21:00 AM	Wednesda
7/17/2019 10:22	0.5	137	10:22:00 AM	Wednesda
7/17/2019 10:23	0.5	146	10:23:00 AM	Wednesda
7/17/2019 10:24	0.6	166	10:24:00 AM	Wednesda
7/17/2019 10:25	0.5	163	10:25:00 AM	Wednesda
7/17/2019 10:26	0.5	156	10:26:00 AM	Wednesda
7/17/2019 10:27	0.5	150	10:27:00 AM	Wednesda
7/17/2019 10:29	0.5	136	10:29:00 AM	Wednesda
7/17/2019 10:30	0.5	127	10:30:00 AM	Wednesda
7/17/2019 10:33	0.5	139	10:33:00 AM	Wednesda
7/17/2019 10:35	0.5	143	10:35:00 AM	Wednesda
7/17/2019 10:57	0.5	164	10:57:00 AM	Wednesda
7/17/2019 10:58	0.5	161	10:58:00 AM	Wednesda
7/17/2019 10:59	0.5	161	10:59:00 AM	Wednesda
7/17/2019 11:00	0.5	161	11:00:00 AM	Wednesda
7/17/2019 11:01	0.5	161	11:01:00 AM	Wednesda
7/17/2019 11:02	0.5	155	11:02:00 AM	Wednesda
7/17/2019 11:03	0.5	149	11:03:00 AM	Wednesda
7/17/2019 11:04	0.5	143	11:04:00 AM	Wednesda
7/17/2019 11:05	0.5	145	11:05:00 AM	Wednesda
7/17/2019 11:06	0.5	148	11:06:00 AM	Wednesda
7/17/2019 11:07	0.5	155	11:07:00 AM	Wednesda
7/17/2019 11:08	0.5	165	11:08:00 AM	Wednesda
7/17/2019 11:09	0.5	198	11:09:00 AM	Wednesda
7/17/2019 11:10	0.5	203	11:10:00 AM	Wednesda
7/17/2019 11:11	0.5	208	11:11:00 AM	Wednesda
7/17/2019 11:12	0.6	214	11:12:00 AM	Wednesda
7/17/2019 11:13	0.6	208	11:13:00 AM	Wednesda
7/17/2019 11:14	0.6	180	11:14:00 AM	Wednesda
7/17/2019 11:15	0.5	172	11:15:00 AM	Wednesda
7/17/2019 11:16	0.5	184	11:16:00 AM	Wednesda
7/17/2019 13:49	0.5	234	1:49:00 PM	Wednesda
7/17/2019 13:52	0.5	260	1:52:00 PM	Wednesda
7/17/2019 16:30	0.5	149	4:30:00 PM	Wednesda
7/17/2019 16:31	0.6	175	4:31:00 PM	Wednesda
7/17/2019 17:06	0.5	229	5:06:00 PM	Wednesda
7/17/2019 17:07	0.5	234	5:07:00 PM	Wednesda
7/17/2019 17:08	0.6	247	5:08:00 PM	Wednesda
7/17/2019 17:09	0.6	223	5:09:00 PM	Wednesda
7/17/2019 17:10	0.6	213	5:10:00 PM	Wednesda
7/17/2019 17:11	0.6	194	5:11:00 PM	Wednesda
7/17/2019 17:12	0.5	185	5:12:00 PM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/17/2019 17:14	0.8	191	5:14:00 PM	Wednesda
7/17/2019 17:15	0.6	192	5:15:00 PM	Wednesda
7/17/2019 17:16	0.5	210	5:16:00 PM	Wednesda
7/18/2019 16:46	0.6	253	4:46:00 PM	Thursday
7/18/2019 16:47	0.8	240	4:47:00 PM	Thursday
7/18/2019 16:48	0.9	229	4:48:00 PM	Thursday
7/18/2019 16:49	0.7	221	4:49:00 PM	Thursday
7/18/2019 16:51	0.6	228	4:51:00 PM	Thursday
7/18/2019 16:52	0.7	225	4:52:00 PM	Thursday
7/18/2019 16:55	0.5	238	4:55:00 PM	Thursday
7/18/2019 17:07	0.5	261	5:07:00 PM	Thursday
7/18/2019 17:09	0.5	227	5:09:00 PM	Thursday
7/18/2019 17:10	0.5	220	5:10:00 PM	Thursday
7/18/2019 17:11	0.6	209	5:11:00 PM	Thursday
7/18/2019 17:12	0.8	217	5:12:00 PM	Thursday
7/18/2019 17:13	1.1	218	5:13:00 PM	Thursday
7/18/2019 17:14	0.5	224	5:14:00 PM	Thursday
7/18/2019 17:15	0.6	226	5:15:00 PM	Thursday
7/18/2019 17:16	0.7	220	5:16:00 PM	Thursday
7/18/2019 17:17	0.5	219	5:17:00 PM	Thursday
7/18/2019 17:18	0.7	235	5:18:00 PM	Thursday
7/18/2019 17:20	0.5	240	5:20:00 PM	Thursday
7/18/2019 17:29	0.6	249	5:29:00 PM	Thursday
7/18/2019 17:31	0.6	218	5:31:00 PM	Thursday
7/18/2019 17:32	0.5	210	5:32:00 PM	Thursday
7/18/2019 17:33	0.5	207	5:33:00 PM	Thursday
7/18/2019 17:40	0.5	250	5:40:00 PM	Thursday
7/18/2019 17:41	0.7	242	5:41:00 PM	Thursday
7/18/2019 17:42	0.6	228	5:42:00 PM	Thursday
7/18/2019 17:43	0.8	238	5:43:00 PM	Thursday
7/18/2019 17:44	0.8	254	5:44:00 PM	Thursday
7/18/2019 17:48	0.6	262	5:48:00 PM	Thursday
7/18/2019 17:49	0.6	259	5:49:00 PM	Thursday
7/18/2019 17:50	0.5	256	5:50:00 PM	Thursday
7/18/2019 17:51	0.5	238	5:51:00 PM	Thursday
7/18/2019 17:53	0.5	253	5:53:00 PM	Thursday
7/18/2019 17:57	0.5	262	5:57:00 PM	Thursday
7/18/2019 18:13	0.7	242	6:13:00 PM	Thursday
7/18/2019 18:17	0.6	257	6:17:00 PM	Thursday
7/18/2019 18:18	0.5	260	6:18:00 PM	Thursday
7/18/2019 18:19	0.6	244	6:19:00 PM	Thursday
7/18/2019 18:20	0.5	226	6:20:00 PM	Thursday
7/18/2019 18:21	0.6	213	6:21:00 PM	Thursday
7/18/2019 18:22	0.6	214	6:22:00 PM	Thursday
7/18/2019 18:23	0.5	214	6:23:00 PM	Thursday
7/18/2019 18:28	0.7	261	6:28:00 PM	Thursday
7/18/2019 18:29	0.6	248	6:29:00 PM	Thursday
7/18/2019 18:30	0.6	231	6:30:00 PM	Thursday
7/18/2019 18:31	0.7	214	6:31:00 PM	Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/18/2019 18:34	0.5	244	6:34:00 PM Thursday
7/18/2019 18:35	0.5	254	6:35:00 PM Thursday
7/18/2019 18:36	0.8	253	6:36:00 PM Thursday
7/18/2019 18:37	0.6	244	6:37:00 PM Thursday
7/18/2019 18:38	0.9	235	6:38:00 PM Thursday
7/18/2019 18:39	0.6	226	6:39:00 PM Thursday
7/18/2019 18:40	1.1	222	6:40:00 PM Thursday
7/18/2019 18:41	0.6	225	6:41:00 PM Thursday
7/18/2019 18:42	0.8	223	6:42:00 PM Thursday
7/18/2019 18:45	0.5	226	6:45:00 PM Thursday
7/18/2019 18:46	0.7	224	6:46:00 PM Thursday
7/18/2019 18:47	0.6	227	6:47:00 PM Thursday
7/18/2019 18:48	0.6	226	6:48:00 PM Thursday
7/18/2019 18:49	0.6	235	6:49:00 PM Thursday
7/18/2019 18:50	0.6	245	6:50:00 PM Thursday
7/18/2019 18:51	0.5	254	6:51:00 PM Thursday
7/18/2019 18:52	0.6	242	6:52:00 PM Thursday
7/18/2019 18:53	0.5	233	6:53:00 PM Thursday
7/18/2019 18:54	0.8	205	6:54:00 PM Thursday
7/18/2019 18:56	0.7	157	6:56:00 PM Thursday
7/18/2019 18:57	0.6	154	6:57:00 PM Thursday
7/18/2019 18:58	0.6	147	6:58:00 PM Thursday
7/18/2019 18:59	0.7	161	6:59:00 PM Thursday
7/18/2019 19:00	0.7	166	7:00:00 PM Thursday
7/18/2019 19:01	0.5	187	7:01:00 PM Thursday
7/18/2019 19:02	0.5	200	7:02:00 PM Thursday
7/18/2019 19:03	1	213	7:03:00 PM Thursday
7/18/2019 19:04	0.6	215	7:04:00 PM Thursday
7/18/2019 19:05	0.5	228	7:05:00 PM Thursday
7/18/2019 19:06	0.5	227	7:06:00 PM Thursday
7/18/2019 19:07	0.6	232	7:07:00 PM Thursday
7/18/2019 19:08	1	238	7:08:00 PM Thursday
7/18/2019 19:09	0.6	243	7:09:00 PM Thursday
7/18/2019 19:10	0.7	237	7:10:00 PM Thursday
7/18/2019 19:11	0.9	224	7:11:00 PM Thursday
7/18/2019 19:13	0.5	210	7:13:00 PM Thursday
7/18/2019 19:18	0.7	233	7:18:00 PM Thursday
7/18/2019 19:19	0.9	233	7:19:00 PM Thursday
7/18/2019 19:20	0.7	233	7:20:00 PM Thursday
7/18/2019 19:21	0.5	230	7:21:00 PM Thursday
7/18/2019 19:22	0.6	227	7:22:00 PM Thursday
7/18/2019 19:23	0.5	224	7:23:00 PM Thursday
7/18/2019 19:24	0.7	221	7:24:00 PM Thursday
7/18/2019 23:29	0.5	138	11:29:00 PM Thursday
7/18/2019 23:35	0.5	138	11:35:00 PM Thursday
7/18/2019 23:45	0.6	138	11:45:00 PM Thursday
7/18/2019 23:46	0.5	138	11:46:00 PM Thursday
7/18/2019 23:47	0.5	138	11:47:00 PM Thursday
7/18/2019 23:48	0.5	138	11:48:00 PM Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/18/2019 23:49	0.5	138	11:49:00 PM Thursday
7/18/2019 23:50	0.6	138	11:50:00 PM Thursday
7/18/2019 23:51	0.6	138	11:51:00 PM Thursday
7/18/2019 23:52	0.5	138	11:52:00 PM Thursday
7/18/2019 23:53	0.5	138	11:53:00 PM Thursday
7/18/2019 23:54	0.7	138	11:54:00 PM Thursday
7/18/2019 23:55	1.1	138	11:55:00 PM Thursday
7/18/2019 23:56	0.9	138	11:56:00 PM Thursday
7/18/2019 23:57	0.7	138	11:57:00 PM Thursday
7/18/2019 23:58	0.6	138	11:58:00 PM Thursday
7/18/2019 23:59	0.7	138	11:59:00 PM Thursday
7/19/2019 0:00	0.7	138	12:00:00 AM Friday
7/19/2019 0:01	0.6	138	12:01:00 AM Friday
7/19/2019 0:02	0.6	138	12:02:00 AM Friday
7/19/2019 0:03	0.5	138	12:03:00 AM Friday
7/19/2019 0:09	0.7	138	12:09:00 AM Friday
7/19/2019 0:10	0.7	138	12:10:00 AM Friday
7/19/2019 0:11	0.6	138	12:11:00 AM Friday
7/19/2019 0:12	0.5	138	12:12:00 AM Friday
7/19/2019 1:28	0.5	140	1:28:00 AM Friday
7/19/2019 1:29	0.5	138	1:29:00 AM Friday
7/19/2019 1:30	0.5	156	1:30:00 AM Friday
7/19/2019 1:31	0.5	158	1:31:00 AM Friday
7/19/2019 1:37	0.5	141	1:37:00 AM Friday
7/19/2019 1:38	0.5	139	1:38:00 AM Friday
7/19/2019 1:39	0.5	143	1:39:00 AM Friday
7/19/2019 1:40	0.5	159	1:40:00 AM Friday
7/19/2019 1:41	0.5	173	1:41:00 AM Friday
7/19/2019 1:42	0.5	173	1:42:00 AM Friday
7/19/2019 1:43	0.5	187	1:43:00 AM Friday
7/19/2019 1:44	0.5	187	1:44:00 AM Friday
7/19/2019 1:45	0.5	162	1:45:00 AM Friday
7/19/2019 1:46	0.5	154	1:46:00 AM Friday
7/19/2019 1:47	0.6	131	1:47:00 AM Friday
7/19/2019 1:48	0.6	131	1:48:00 AM Friday
7/19/2019 1:49	0.5	108	1:49:00 AM Friday
7/19/2019 1:50	0.5	123	1:50:00 AM Friday
7/19/2019 1:51	0.6	144	1:51:00 AM Friday
7/19/2019 1:52	0.6	151	1:52:00 AM Friday
7/19/2019 1:53	0.6	159	1:53:00 AM Friday
7/19/2019 1:54	0.6	191	1:54:00 AM Friday
7/19/2019 1:55	0.6	192	1:55:00 AM Friday
7/19/2019 1:56	0.6	187	1:56:00 AM Friday
7/19/2019 1:57	0.6	196	1:57:00 AM Friday
7/19/2019 1:58	0.7	195	1:58:00 AM Friday
7/19/2019 1:59	0.7	194	1:59:00 AM Friday
7/19/2019 2:00	0.6	211	2:00:00 AM Friday
7/19/2019 2:01	0.7	246	2:01:00 AM Friday
7/19/2019 2:02	0.7	245	2:02:00 AM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 2:03	0.8	230	2:03:00 AM Friday
7/19/2019 2:04	0.8	227	2:04:00 AM Friday
7/19/2019 2:05	0.7	211	2:05:00 AM Friday
7/19/2019 2:06	0.7	179	2:06:00 AM Friday
7/19/2019 2:07	0.6	208	2:07:00 AM Friday
7/19/2019 2:08	0.7	246	2:08:00 AM Friday
7/19/2019 2:09	0.6	242	2:09:00 AM Friday
7/19/2019 2:10	0.8	258	2:10:00 AM Friday
7/19/2019 2:11	0.8	270	2:11:00 AM Friday
7/19/2019 2:12	0.8	238	2:12:00 AM Friday
7/19/2019 2:13	0.7	221	2:13:00 AM Friday
7/19/2019 2:14	0.7	230	2:14:00 AM Friday
7/19/2019 2:15	0.7	209	2:15:00 AM Friday
7/19/2019 2:16	0.8	171	2:16:00 AM Friday
7/19/2019 2:17	0.8	174	2:17:00 AM Friday
7/19/2019 2:18	0.8	185	2:18:00 AM Friday
7/19/2019 2:19	0.8	167	2:19:00 AM Friday
7/19/2019 2:20	0.7	188	2:20:00 AM Friday
7/19/2019 2:21	0.7	213	2:21:00 AM Friday
7/19/2019 2:22	0.7	229	2:22:00 AM Friday
7/19/2019 2:23	0.7	202	2:23:00 AM Friday
7/19/2019 2:24	0.7	238	2:24:00 AM Friday
7/19/2019 2:25	0.7	237	2:25:00 AM Friday
7/19/2019 2:26	0.8	226	2:26:00 AM Friday
7/19/2019 2:27	0.7	201	2:27:00 AM Friday
7/19/2019 2:28	0.7	234	2:28:00 AM Friday
7/19/2019 2:29	0.7	240	2:29:00 AM Friday
7/19/2019 2:30	0.8	219	2:30:00 AM Friday
7/19/2019 2:31	0.7	265	2:31:00 AM Friday
7/19/2019 2:32	0.7	260	2:32:00 AM Friday
7/19/2019 2:33	0.7	261	2:33:00 AM Friday
7/19/2019 2:34	0.7	223	2:34:00 AM Friday
7/19/2019 2:35	0.6	263	2:35:00 AM Friday
7/19/2019 2:36	0.7	218	2:36:00 AM Friday
7/19/2019 2:37	0.7	253	2:37:00 AM Friday
7/19/2019 2:38	0.7	227	2:38:00 AM Friday
7/19/2019 2:39	0.6	259	2:39:00 AM Friday
7/19/2019 2:40	0.6	201	2:40:00 AM Friday
7/19/2019 2:41	0.6	221	2:41:00 AM Friday
7/19/2019 2:42	0.7	194	2:42:00 AM Friday
7/19/2019 2:43	0.8	175	2:43:00 AM Friday
7/19/2019 2:44	0.8	151	2:44:00 AM Friday
7/19/2019 2:45	0.9	181	2:45:00 AM Friday
7/19/2019 2:46	0.8	181	2:46:00 AM Friday
7/19/2019 2:47	0.7	207	2:47:00 AM Friday
7/19/2019 2:48	0.7	246	2:48:00 AM Friday
7/19/2019 2:49	0.8	225	2:49:00 AM Friday
7/19/2019 2:50	0.7	184	2:50:00 AM Friday
7/19/2019 2:51	0.7	200	2:51:00 AM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 2:52	0.7	184	2:52:00 AM Friday
7/19/2019 2:53	0.7	182	2:53:00 AM Friday
7/19/2019 2:54	0.8	202	2:54:00 AM Friday
7/19/2019 2:55	0.7	201	2:55:00 AM Friday
7/19/2019 2:56	0.7	206	2:56:00 AM Friday
7/19/2019 2:57	0.7	227	2:57:00 AM Friday
7/19/2019 2:58	0.7	189	2:58:00 AM Friday
7/19/2019 2:59	0.8	201	2:59:00 AM Friday
7/19/2019 3:00	0.8	229	3:00:00 AM Friday
7/19/2019 3:01	0.8	213	3:01:00 AM Friday
7/19/2019 3:02	0.8	144	3:02:00 AM Friday
7/19/2019 3:03	0.7	184	3:03:00 AM Friday
7/19/2019 3:04	0.7	138	3:04:00 AM Friday
7/19/2019 3:05	0.7	167	3:05:00 AM Friday
7/19/2019 3:06	0.7	172	3:06:00 AM Friday
7/19/2019 3:07	0.7	238	3:07:00 AM Friday
7/19/2019 3:08	0.7	231	3:08:00 AM Friday
7/19/2019 3:14	0.8	220	3:14:00 AM Friday
7/19/2019 3:15	0.8	193	3:15:00 AM Friday
7/19/2019 3:16	0.9	179	3:16:00 AM Friday
7/19/2019 3:17	0.8	157	3:17:00 AM Friday
7/19/2019 3:18	0.8	165	3:18:00 AM Friday
7/19/2019 3:19	0.8	179	3:19:00 AM Friday
7/19/2019 3:20	0.8	201	3:20:00 AM Friday
7/19/2019 3:21	0.8	217	3:21:00 AM Friday
7/19/2019 3:22	0.7	233	3:22:00 AM Friday
7/19/2019 3:23	0.7	253	3:23:00 AM Friday
7/19/2019 3:24	0.7	266	3:24:00 AM Friday
7/19/2019 3:25	0.8	256	3:25:00 AM Friday
7/19/2019 3:26	0.7	227	3:26:00 AM Friday
7/19/2019 3:27	0.8	205	3:27:00 AM Friday
7/19/2019 3:28	0.7	204	3:28:00 AM Friday
7/19/2019 3:29	0.8	221	3:29:00 AM Friday
7/19/2019 3:30	0.8	231	3:30:00 AM Friday
7/19/2019 3:31	0.9	245	3:31:00 AM Friday
7/19/2019 3:32	0.9	254	3:32:00 AM Friday
7/19/2019 3:33	0.9	238	3:33:00 AM Friday
7/19/2019 3:34	0.9	220	3:34:00 AM Friday
7/19/2019 3:35	0.9	225	3:35:00 AM Friday
7/19/2019 3:36	0.9	191	3:36:00 AM Friday
7/19/2019 3:37	0.8	198	3:37:00 AM Friday
7/19/2019 3:38	0.9	220	3:38:00 AM Friday
7/19/2019 3:39	0.9	238	3:39:00 AM Friday
7/19/2019 3:40	0.8	255	3:40:00 AM Friday
7/19/2019 3:41	0.8	269	3:41:00 AM Friday
7/19/2019 3:44	0.7	267	3:44:00 AM Friday
7/19/2019 3:45	0.8	233	3:45:00 AM Friday
7/19/2019 3:46	0.8	255	3:46:00 AM Friday
7/19/2019 3:47	0.8	238	3:47:00 AM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/19/2019 3:48	0.8	233	3:48:00 AM Friday
7/19/2019 3:49	0.7	244	3:49:00 AM Friday
7/19/2019 3:50	0.7	265	3:50:00 AM Friday
7/19/2019 3:56	0.9	269	3:56:00 AM Friday
7/19/2019 3:57	0.9	239	3:57:00 AM Friday
7/19/2019 3:58	0.9	202	3:58:00 AM Friday
7/19/2019 3:59	1	166	3:59:00 AM Friday
7/19/2019 4:00	0.9	182	4:00:00 AM Friday
7/19/2019 4:01	0.7	195	4:01:00 AM Friday
7/19/2019 4:02	0.7	225	4:02:00 AM Friday
7/19/2019 4:03	0.8	254	4:03:00 AM Friday
7/19/2019 4:06	0.7	252	4:06:00 AM Friday
7/19/2019 4:07	0.7	225	4:07:00 AM Friday
7/19/2019 4:08	0.7	233	4:08:00 AM Friday
7/19/2019 4:09	0.7	247	4:09:00 AM Friday
7/19/2019 4:10	0.7	238	4:10:00 AM Friday
7/19/2019 4:16	0.7	245	4:16:00 AM Friday
7/19/2019 4:17	0.6	250	4:17:00 AM Friday
7/19/2019 4:18	0.6	230	4:18:00 AM Friday
7/19/2019 4:19	0.7	245	4:19:00 AM Friday
7/19/2019 4:20	0.7	251	4:20:00 AM Friday
7/19/2019 4:28	0.7	244	4:28:00 AM Friday
7/19/2019 4:29	0.7	246	4:29:00 AM Friday
7/19/2019 4:30	0.7	259	4:30:00 AM Friday
7/19/2019 4:36	0.7	243	4:36:00 AM Friday
7/19/2019 4:37	0.7	252	4:37:00 AM Friday
7/19/2019 4:38	0.6	239	4:38:00 AM Friday
7/19/2019 4:39	0.6	248	4:39:00 AM Friday
7/19/2019 4:40	0.6	236	4:40:00 AM Friday
7/19/2019 4:41	0.5	219	4:41:00 AM Friday
7/19/2019 4:42	0.6	199	4:42:00 AM Friday
7/19/2019 4:43	0.7	189	4:43:00 AM Friday
7/19/2019 4:44	0.6	178	4:44:00 AM Friday
7/19/2019 4:45	0.6	202	4:45:00 AM Friday
7/19/2019 4:46	0.6	256	4:46:00 AM Friday
7/19/2019 4:51	0.5	244	4:51:00 AM Friday
7/19/2019 4:52	0.6	239	4:52:00 AM Friday
7/19/2019 4:53	0.6	240	4:53:00 AM Friday
7/19/2019 4:54	0.6	246	4:54:00 AM Friday
7/19/2019 4:55	0.6	243	4:55:00 AM Friday
7/19/2019 4:57	0.6	258	4:57:00 AM Friday
7/19/2019 4:58	0.5	258	4:58:00 AM Friday
7/19/2019 4:59	0.6	244	4:59:00 AM Friday
7/19/2019 5:00	0.6	227	5:00:00 AM Friday
7/19/2019 5:01	0.5	224	5:01:00 AM Friday
7/19/2019 5:02	0.5	257	5:02:00 AM Friday
7/19/2019 5:03	0.5	240	5:03:00 AM Friday
7/19/2019 5:04	0.5	252	5:04:00 AM Friday
7/19/2019 5:05	0.5	263	5:05:00 AM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 5:06	0.5	255	5:06:00 AM Friday
7/19/2019 5:07	0.5	239	5:07:00 AM Friday
7/19/2019 5:08	0.5	260	5:08:00 AM Friday
7/19/2019 8:02	0.5	259	8:02:00 AM Friday
7/19/2019 8:03	0.5	261	8:03:00 AM Friday
7/19/2019 8:10	0.5	263	8:10:00 AM Friday
7/19/2019 8:12	0.5	260	8:12:00 AM Friday
7/19/2019 8:13	0.5	258	8:13:00 AM Friday
7/19/2019 8:18	0.5	229	8:18:00 AM Friday
7/19/2019 8:28	0.5	265	8:28:00 AM Friday
7/19/2019 8:29	0.5	269	8:29:00 AM Friday
7/19/2019 8:32	0.5	252	8:32:00 AM Friday
7/19/2019 8:48	0.5	257	8:48:00 AM Friday
7/19/2019 8:51	0.5	246	8:51:00 AM Friday
7/19/2019 8:54	0.5	259	8:54:00 AM Friday
7/19/2019 9:21	0.5	268	9:21:00 AM Friday
7/19/2019 10:24	0.5	202	10:24:00 AM Friday
7/19/2019 10:31	0.5	255	10:31:00 AM Friday
7/19/2019 11:21	0.5	255	11:21:00 AM Friday
7/19/2019 11:46	0.5	250	11:46:00 AM Friday
7/19/2019 11:47	0.5	252	11:47:00 AM Friday
7/19/2019 11:48	0.5	257	11:48:00 AM Friday
7/19/2019 11:49	0.6	265	11:49:00 AM Friday
7/19/2019 11:50	0.6	255	11:50:00 AM Friday
7/19/2019 11:54	0.6	246	11:54:00 AM Friday
7/19/2019 11:55	0.5	251	11:55:00 AM Friday
7/19/2019 11:56	0.6	249	11:56:00 AM Friday
7/19/2019 11:57	0.7	244	11:57:00 AM Friday
7/19/2019 11:58	0.6	239	11:58:00 AM Friday
7/19/2019 11:59	0.5	254	11:59:00 AM Friday
7/19/2019 12:00	0.6	267	12:00:00 PM Friday
7/19/2019 12:01	0.7	242	12:01:00 PM Friday
7/19/2019 12:02	0.5	256	12:02:00 PM Friday
7/19/2019 12:05	0.5	266	12:05:00 PM Friday
7/19/2019 12:08	0.5	266	12:08:00 PM Friday
7/19/2019 12:09	0.6	253	12:09:00 PM Friday
7/19/2019 12:10	0.6	254	12:10:00 PM Friday
7/19/2019 12:11	0.5	242	12:11:00 PM Friday
7/19/2019 12:12	0.7	221	12:12:00 PM Friday
7/19/2019 12:13	0.6	196	12:13:00 PM Friday
7/19/2019 12:14	0.6	193	12:14:00 PM Friday
7/19/2019 12:15	0.7	207	12:15:00 PM Friday
7/19/2019 12:16	0.6	222	12:16:00 PM Friday
7/19/2019 12:17	0.6	224	12:17:00 PM Friday
7/19/2019 12:18	0.7	234	12:18:00 PM Friday
7/19/2019 12:19	0.5	248	12:19:00 PM Friday
7/19/2019 12:20	0.6	234	12:20:00 PM Friday
7/19/2019 12:21	0.7	221	12:21:00 PM Friday
7/19/2019 12:22	0.7	249	12:22:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 12:24	0.6	263	12:24:00 PM Friday
7/19/2019 12:25	0.5	264	12:25:00 PM Friday
7/19/2019 12:27	0.6	249	12:27:00 PM Friday
7/19/2019 12:28	0.7	244	12:28:00 PM Friday
7/19/2019 12:29	0.5	211	12:29:00 PM Friday
7/19/2019 12:32	0.5	246	12:32:00 PM Friday
7/19/2019 13:37	0.5	264	1:37:00 PM Friday
7/19/2019 13:38	0.5	263	1:38:00 PM Friday
7/19/2019 13:40	0.5	266	1:40:00 PM Friday
7/19/2019 13:49	0.7	266	1:49:00 PM Friday
7/19/2019 16:47	0.5	227	4:47:00 PM Friday
7/19/2019 16:50	0.5	199	4:50:00 PM Friday
7/19/2019 16:51	0.5	217	4:51:00 PM Friday
7/19/2019 16:52	0.6	228	4:52:00 PM Friday
7/19/2019 16:53	0.6	246	4:53:00 PM Friday
7/19/2019 16:54	0.6	239	4:54:00 PM Friday
7/19/2019 16:55	0.6	245	4:55:00 PM Friday
7/19/2019 16:56	0.7	245	4:56:00 PM Friday
7/19/2019 16:57	0.6	245	4:57:00 PM Friday
7/19/2019 16:58	0.6	235	4:58:00 PM Friday
7/19/2019 16:59	0.6	228	4:59:00 PM Friday
7/19/2019 17:00	0.7	229	5:00:00 PM Friday
7/19/2019 17:01	0.5	230	5:01:00 PM Friday
7/19/2019 17:02	0.5	231	5:02:00 PM Friday
7/19/2019 17:03	0.5	251	5:03:00 PM Friday
7/19/2019 17:12	0.5	263	5:12:00 PM Friday
7/19/2019 17:13	0.5	254	5:13:00 PM Friday
7/19/2019 17:14	0.5	241	5:14:00 PM Friday
7/19/2019 17:15	0.6	227	5:15:00 PM Friday
7/19/2019 17:16	0.5	238	5:16:00 PM Friday
7/19/2019 17:17	0.5	246	5:17:00 PM Friday
7/19/2019 17:18	0.6	266	5:18:00 PM Friday
7/19/2019 17:19	0.6	266	5:19:00 PM Friday
7/19/2019 17:22	0.6	266	5:22:00 PM Friday
7/19/2019 17:23	0.7	251	5:23:00 PM Friday
7/19/2019 17:24	0.7	247	5:24:00 PM Friday
7/19/2019 17:25	0.7	236	5:25:00 PM Friday
7/19/2019 17:26	0.7	238	5:26:00 PM Friday
7/19/2019 17:27	0.6	251	5:27:00 PM Friday
7/19/2019 17:29	0.7	265	5:29:00 PM Friday
7/19/2019 17:30	0.7	253	5:30:00 PM Friday
7/19/2019 17:31	0.7	256	5:31:00 PM Friday
7/19/2019 17:32	0.6	233	5:32:00 PM Friday
7/19/2019 17:33	0.6	198	5:33:00 PM Friday
7/19/2019 17:34	0.6	197	5:34:00 PM Friday
7/19/2019 17:35	0.6	180	5:35:00 PM Friday
7/19/2019 17:36	0.5	149	5:36:00 PM Friday
7/19/2019 17:37	0.5	155	5:37:00 PM Friday
7/19/2019 17:38	0.5	158	5:38:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 17:39	0.5	163	5:39:00 PM Friday
7/19/2019 17:40	0.5	178	5:40:00 PM Friday
7/19/2019 17:41	0.6	193	5:41:00 PM Friday
7/19/2019 17:42	0.6	173	5:42:00 PM Friday
7/19/2019 17:43	0.5	173	5:43:00 PM Friday
7/19/2019 17:44	0.5	156	5:44:00 PM Friday
7/19/2019 17:45	0.5	175	5:45:00 PM Friday
7/19/2019 17:46	0.6	190	5:46:00 PM Friday
7/19/2019 17:47	0.6	216	5:47:00 PM Friday
7/19/2019 17:48	0.6	233	5:48:00 PM Friday
7/19/2019 17:49	0.7	234	5:49:00 PM Friday
7/19/2019 17:50	0.7	209	5:50:00 PM Friday
7/19/2019 17:51	0.7	186	5:51:00 PM Friday
7/19/2019 17:52	0.7	165	5:52:00 PM Friday
7/19/2019 17:53	0.7	143	5:53:00 PM Friday
7/19/2019 17:54	0.7	176	5:54:00 PM Friday
7/19/2019 17:55	0.7	192	5:55:00 PM Friday
7/19/2019 17:56	0.7	218	5:56:00 PM Friday
7/19/2019 17:57	0.8	227	5:57:00 PM Friday
7/19/2019 17:58	0.8	236	5:58:00 PM Friday
7/19/2019 17:59	0.8	241	5:59:00 PM Friday
7/19/2019 18:00	0.7	253	6:00:00 PM Friday
7/19/2019 18:01	0.8	247	6:01:00 PM Friday
7/19/2019 18:02	0.7	263	6:02:00 PM Friday
7/19/2019 18:05	0.6	259	6:05:00 PM Friday
7/19/2019 18:06	0.6	260	6:06:00 PM Friday
7/19/2019 18:07	0.7	247	6:07:00 PM Friday
7/19/2019 18:08	0.7	231	6:08:00 PM Friday
7/19/2019 18:09	0.8	233	6:09:00 PM Friday
7/19/2019 18:10	0.8	238	6:10:00 PM Friday
7/19/2019 18:11	0.7	252	6:11:00 PM Friday
7/19/2019 18:16	0.6	258	6:16:00 PM Friday
7/19/2019 18:17	0.6	235	6:17:00 PM Friday
7/19/2019 18:18	0.7	229	6:18:00 PM Friday
7/19/2019 18:19	0.8	224	6:19:00 PM Friday
7/19/2019 18:20	0.8	206	6:20:00 PM Friday
7/19/2019 18:21	0.7	224	6:21:00 PM Friday
7/19/2019 18:22	0.7	239	6:22:00 PM Friday
7/19/2019 18:23	0.7	234	6:23:00 PM Friday
7/19/2019 18:24	0.7	213	6:24:00 PM Friday
7/19/2019 18:25	0.7	211	6:25:00 PM Friday
7/19/2019 18:26	0.8	207	6:26:00 PM Friday
7/19/2019 18:27	0.8	180	6:27:00 PM Friday
7/19/2019 18:28	0.9	145	6:28:00 PM Friday
7/19/2019 18:29	0.8	138	6:29:00 PM Friday
7/19/2019 18:30	0.8	124	6:30:00 PM Friday
7/19/2019 18:31	0.8	123	6:31:00 PM Friday
7/19/2019 18:32	0.8	126	6:32:00 PM Friday
7/19/2019 18:33	0.8	178	6:33:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 18:34	0.8	204	6:34:00 PM Friday
7/19/2019 18:35	0.8	229	6:35:00 PM Friday
7/19/2019 18:36	0.8	254	6:36:00 PM Friday
7/19/2019 18:37	0.8	257	6:37:00 PM Friday
7/19/2019 18:38	0.8	216	6:38:00 PM Friday
7/19/2019 18:39	0.8	201	6:39:00 PM Friday
7/19/2019 18:40	0.8	188	6:40:00 PM Friday
7/19/2019 18:41	0.8	176	6:41:00 PM Friday
7/19/2019 18:42	0.8	195	6:42:00 PM Friday
7/19/2019 18:43	0.8	215	6:43:00 PM Friday
7/19/2019 18:44	0.7	242	6:44:00 PM Friday
7/19/2019 18:45	0.7	232	6:45:00 PM Friday
7/19/2019 18:46	0.7	228	6:46:00 PM Friday
7/19/2019 18:47	0.7	220	6:47:00 PM Friday
7/19/2019 18:48	0.7	238	6:48:00 PM Friday
7/19/2019 18:49	0.6	192	6:49:00 PM Friday
7/19/2019 18:50	0.5	196	6:50:00 PM Friday
7/19/2019 18:51	0.5	189	6:51:00 PM Friday
7/19/2019 18:52	0.5	169	6:52:00 PM Friday
7/19/2019 18:53	0.5	143	6:53:00 PM Friday
7/19/2019 18:54	0.5	137	6:54:00 PM Friday
7/19/2019 18:55	0.5	120	6:55:00 PM Friday
7/19/2019 18:56	0.5	135	6:56:00 PM Friday
7/19/2019 18:57	0.5	146	6:57:00 PM Friday
7/19/2019 18:58	0.5	137	6:58:00 PM Friday
7/19/2019 18:59	0.5	146	6:59:00 PM Friday
7/19/2019 19:00	0.5	160	7:00:00 PM Friday
7/19/2019 19:01	0.5	152	7:01:00 PM Friday
7/19/2019 19:02	0.5	145	7:02:00 PM Friday
7/19/2019 19:03	0.5	162	7:03:00 PM Friday
7/19/2019 19:04	0.6	180	7:04:00 PM Friday
7/19/2019 19:05	0.5	193	7:05:00 PM Friday
7/19/2019 19:06	0.6	200	7:06:00 PM Friday
7/19/2019 19:07	0.6	199	7:07:00 PM Friday
7/19/2019 19:08	0.5	186	7:08:00 PM Friday
7/19/2019 19:09	0.5	176	7:09:00 PM Friday
7/19/2019 19:10	0.5	170	7:10:00 PM Friday
7/19/2019 19:11	0.6	165	7:11:00 PM Friday
7/19/2019 19:12	0.6	165	7:12:00 PM Friday
7/19/2019 19:13	0.6	174	7:13:00 PM Friday
7/19/2019 19:14	0.6	179	7:14:00 PM Friday
7/19/2019 19:15	0.6	180	7:15:00 PM Friday
7/19/2019 19:16	0.5	178	7:16:00 PM Friday
7/19/2019 19:17	0.5	184	7:17:00 PM Friday
7/19/2019 19:18	0.6	185	7:18:00 PM Friday
7/19/2019 19:19	0.6	183	7:19:00 PM Friday
7/19/2019 19:20	0.5	179	7:20:00 PM Friday
7/19/2019 19:21	0.6	184	7:21:00 PM Friday
7/19/2019 19:22	0.5	176	7:22:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 19:23	0.6	183	7:23:00 PM Friday
7/19/2019 19:24	0.6	197	7:24:00 PM Friday
7/19/2019 19:25	0.6	212	7:25:00 PM Friday
7/19/2019 19:26	0.6	245	7:26:00 PM Friday
7/19/2019 19:27	0.6	260	7:27:00 PM Friday
7/19/2019 19:28	0.6	249	7:28:00 PM Friday
7/19/2019 19:29	0.7	234	7:29:00 PM Friday
7/19/2019 19:30	0.6	228	7:30:00 PM Friday
7/19/2019 19:31	0.6	190	7:31:00 PM Friday
7/19/2019 19:32	0.6	196	7:32:00 PM Friday
7/19/2019 19:33	0.6	230	7:33:00 PM Friday
7/19/2019 19:34	0.6	237	7:34:00 PM Friday
7/19/2019 19:35	0.7	260	7:35:00 PM Friday
7/19/2019 19:38	0.7	258	7:38:00 PM Friday
7/19/2019 19:39	0.7	259	7:39:00 PM Friday
7/19/2019 19:40	0.7	225	7:40:00 PM Friday
7/19/2019 19:41	0.8	224	7:41:00 PM Friday
7/19/2019 19:42	0.8	214	7:42:00 PM Friday
7/19/2019 19:43	0.8	213	7:43:00 PM Friday
7/19/2019 19:44	0.8	200	7:44:00 PM Friday
7/19/2019 19:45	0.8	223	7:45:00 PM Friday
7/19/2019 19:46	0.8	230	7:46:00 PM Friday
7/19/2019 19:47	0.7	225	7:47:00 PM Friday
7/19/2019 19:48	0.6	244	7:48:00 PM Friday
7/19/2019 19:49	0.5	264	7:49:00 PM Friday
7/19/2019 19:50	0.6	214	7:50:00 PM Friday
7/19/2019 19:51	0.7	222	7:51:00 PM Friday
7/19/2019 19:52	0.7	221	7:52:00 PM Friday
7/19/2019 19:53	0.7	221	7:53:00 PM Friday
7/19/2019 19:54	0.7	213	7:54:00 PM Friday
7/19/2019 19:56	0.6	247	7:56:00 PM Friday
7/19/2019 19:57	0.7	238	7:57:00 PM Friday
7/19/2019 19:58	0.7	253	7:58:00 PM Friday
7/19/2019 19:59	0.7	264	7:59:00 PM Friday
7/19/2019 20:00	0.7	239	8:00:00 PM Friday
7/19/2019 20:01	0.7	229	8:01:00 PM Friday
7/19/2019 20:02	0.7	200	8:02:00 PM Friday
7/19/2019 20:03	0.8	183	8:03:00 PM Friday
7/19/2019 20:04	0.7	186	8:04:00 PM Friday
7/19/2019 20:05	0.8	205	8:05:00 PM Friday
7/19/2019 20:06	0.8	210	8:06:00 PM Friday
7/19/2019 20:07	0.8	242	8:07:00 PM Friday
7/19/2019 20:08	0.7	251	8:08:00 PM Friday
7/19/2019 20:09	0.7	250	8:09:00 PM Friday
7/19/2019 20:10	0.7	238	8:10:00 PM Friday
7/19/2019 20:11	0.7	252	8:11:00 PM Friday
7/19/2019 20:12	0.7	251	8:12:00 PM Friday
7/19/2019 20:13	0.6	245	8:13:00 PM Friday
7/19/2019 20:14	0.7	262	8:14:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 20:19	0.8	258	8:19:00 PM Friday
7/19/2019 20:20	0.7	235	8:20:00 PM Friday
7/19/2019 20:21	0.7	228	8:21:00 PM Friday
7/19/2019 20:22	0.7	240	8:22:00 PM Friday
7/19/2019 20:23	0.7	240	8:23:00 PM Friday
7/19/2019 20:24	0.8	241	8:24:00 PM Friday
7/19/2019 20:25	0.8	222	8:25:00 PM Friday
7/19/2019 20:26	0.7	212	8:26:00 PM Friday
7/19/2019 20:27	0.7	196	8:27:00 PM Friday
7/19/2019 20:28	0.7	186	8:28:00 PM Friday
7/19/2019 20:29	0.7	186	8:29:00 PM Friday
7/19/2019 20:30	0.7	207	8:30:00 PM Friday
7/19/2019 20:31	0.7	225	8:31:00 PM Friday
7/19/2019 20:32	0.7	248	8:32:00 PM Friday
7/19/2019 20:33	0.7	269	8:33:00 PM Friday
7/19/2019 20:36	0.7	258	8:36:00 PM Friday
7/19/2019 20:37	0.7	258	8:37:00 PM Friday
7/19/2019 20:38	0.7	251	8:38:00 PM Friday
7/19/2019 20:39	0.8	244	8:39:00 PM Friday
7/19/2019 20:40	0.8	254	8:40:00 PM Friday
7/19/2019 20:41	0.8	243	8:41:00 PM Friday
7/19/2019 20:42	0.8	216	8:42:00 PM Friday
7/19/2019 20:43	0.7	212	8:43:00 PM Friday
7/19/2019 20:44	0.7	198	8:44:00 PM Friday
7/19/2019 20:45	0.7	180	8:45:00 PM Friday
7/19/2019 20:46	0.7	184	8:46:00 PM Friday
7/19/2019 20:47	0.7	188	8:47:00 PM Friday
7/19/2019 20:48	0.8	162	8:48:00 PM Friday
7/19/2019 20:49	0.7	160	8:49:00 PM Friday
7/19/2019 20:50	0.7	161	8:50:00 PM Friday
7/19/2019 20:51	0.6	162	8:51:00 PM Friday
7/19/2019 20:52	0.5	161	8:52:00 PM Friday
7/19/2019 20:53	0.5	175	8:53:00 PM Friday
7/19/2019 20:54	0.5	185	8:54:00 PM Friday
7/19/2019 20:55	0.6	180	8:55:00 PM Friday
7/19/2019 20:56	0.6	175	8:56:00 PM Friday
7/19/2019 20:57	0.6	192	8:57:00 PM Friday
7/19/2019 20:58	0.5	176	8:58:00 PM Friday
7/19/2019 20:59	0.5	165	8:59:00 PM Friday
7/19/2019 21:01	0.5	169	9:01:00 PM Friday
7/19/2019 21:02	0.5	154	9:02:00 PM Friday
7/19/2019 21:03	0.5	170	9:03:00 PM Friday
7/19/2019 21:04	0.5	184	9:04:00 PM Friday
7/19/2019 21:05	0.5	189	9:05:00 PM Friday
7/19/2019 21:06	0.5	193	9:06:00 PM Friday
7/19/2019 21:07	0.5	179	9:07:00 PM Friday
7/19/2019 21:08	0.5	182	9:08:00 PM Friday
7/19/2019 21:09	0.6	169	9:09:00 PM Friday
7/19/2019 21:10	0.6	167	9:10:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 21:11	0.6	167	9:11:00 PM Friday
7/19/2019 21:12	0.6	177	9:12:00 PM Friday
7/19/2019 21:13	0.7	178	9:13:00 PM Friday
7/19/2019 21:14	0.7	177	9:14:00 PM Friday
7/19/2019 21:15	0.7	171	9:15:00 PM Friday
7/19/2019 21:16	0.6	173	9:16:00 PM Friday
7/19/2019 21:17	0.6	189	9:17:00 PM Friday
7/19/2019 21:18	0.6	172	9:18:00 PM Friday
7/19/2019 21:19	0.6	165	9:19:00 PM Friday
7/19/2019 21:20	0.6	166	9:20:00 PM Friday
7/19/2019 21:21	0.5	166	9:21:00 PM Friday
7/19/2019 21:22	0.5	139	9:22:00 PM Friday
7/19/2019 21:23	0.6	146	9:23:00 PM Friday
7/19/2019 21:24	0.6	183	9:24:00 PM Friday
7/19/2019 21:25	0.7	205	9:25:00 PM Friday
7/19/2019 21:26	0.6	204	9:26:00 PM Friday
7/19/2019 21:27	0.7	226	9:27:00 PM Friday
7/19/2019 21:28	0.6	223	9:28:00 PM Friday
7/19/2019 21:29	0.6	183	9:29:00 PM Friday
7/19/2019 21:30	0.6	181	9:30:00 PM Friday
7/19/2019 21:31	0.6	190	9:31:00 PM Friday
7/19/2019 21:32	0.6	170	9:32:00 PM Friday
7/19/2019 21:33	0.5	166	9:33:00 PM Friday
7/19/2019 21:34	0.5	202	9:34:00 PM Friday
7/19/2019 21:35	0.6	191	9:35:00 PM Friday
7/19/2019 21:36	0.6	181	9:36:00 PM Friday
7/19/2019 21:37	0.6	184	9:37:00 PM Friday
7/19/2019 21:38	0.6	189	9:38:00 PM Friday
7/19/2019 21:39	0.6	159	9:39:00 PM Friday
7/19/2019 21:40	0.6	153	9:40:00 PM Friday
7/19/2019 21:41	0.5	142	9:41:00 PM Friday
7/19/2019 21:42	0.7	154	9:42:00 PM Friday
7/19/2019 21:43	0.6	159	9:43:00 PM Friday
7/19/2019 21:44	0.6	146	9:44:00 PM Friday
7/19/2019 21:45	0.5	152	9:45:00 PM Friday
7/19/2019 21:46	0.5	147	9:46:00 PM Friday
7/19/2019 21:47	0.5	145	9:47:00 PM Friday
7/19/2019 21:48	0.5	150	9:48:00 PM Friday
7/19/2019 21:49	0.5	167	9:49:00 PM Friday
7/19/2019 21:50	0.5	167	9:50:00 PM Friday
7/19/2019 21:51	0.5	177	9:51:00 PM Friday
7/19/2019 21:52	0.5	169	9:52:00 PM Friday
7/19/2019 21:54	0.5	148	9:54:00 PM Friday
7/19/2019 21:57	0.5	150	9:57:00 PM Friday
7/19/2019 22:02	0.5	127	10:02:00 PM Friday
7/19/2019 22:09	0.6	156	10:09:00 PM Friday
7/19/2019 22:10	0.5	144	10:10:00 PM Friday
7/19/2019 22:14	0.6	132	10:14:00 PM Friday
7/19/2019 22:15	0.6	173	10:15:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 22:16	0.7	187	10:16:00 PM Friday
7/19/2019 22:17	0.6	206	10:17:00 PM Friday
7/19/2019 22:18	0.6	193	10:18:00 PM Friday
7/19/2019 22:19	0.5	201	10:19:00 PM Friday
7/19/2019 22:20	0.6	170	10:20:00 PM Friday
7/19/2019 22:21	0.7	175	10:21:00 PM Friday
7/19/2019 22:22	0.8	172	10:22:00 PM Friday
7/19/2019 22:23	0.6	185	10:23:00 PM Friday
7/19/2019 22:24	0.6	189	10:24:00 PM Friday
7/19/2019 22:25	0.6	194	10:25:00 PM Friday
7/19/2019 22:26	0.5	192	10:26:00 PM Friday
7/19/2019 22:27	0.5	193	10:27:00 PM Friday
7/19/2019 22:28	0.5	192	10:28:00 PM Friday
7/19/2019 22:29	0.5	179	10:29:00 PM Friday
7/19/2019 22:35	0.5	163	10:35:00 PM Friday
7/19/2019 22:36	0.5	167	10:36:00 PM Friday
7/19/2019 22:37	0.6	160	10:37:00 PM Friday
7/19/2019 22:38	0.6	151	10:38:00 PM Friday
7/19/2019 22:39	0.6	163	10:39:00 PM Friday
7/19/2019 22:40	0.7	167	10:40:00 PM Friday
7/19/2019 22:41	0.6	174	10:41:00 PM Friday
7/19/2019 22:42	0.8	180	10:42:00 PM Friday
7/19/2019 22:43	0.7	176	10:43:00 PM Friday
7/19/2019 22:44	0.7	176	10:44:00 PM Friday
7/19/2019 22:45	0.6	174	10:45:00 PM Friday
7/19/2019 22:46	0.7	172	10:46:00 PM Friday
7/19/2019 22:47	0.6	172	10:47:00 PM Friday
7/19/2019 22:48	0.6	171	10:48:00 PM Friday
7/19/2019 22:49	0.5	172	10:49:00 PM Friday
7/19/2019 22:50	0.5	174	10:50:00 PM Friday
7/19/2019 22:51	0.6	175	10:51:00 PM Friday
7/19/2019 22:52	0.5	173	10:52:00 PM Friday
7/19/2019 22:53	0.6	171	10:53:00 PM Friday
7/19/2019 22:54	0.7	171	10:54:00 PM Friday
7/19/2019 22:55	0.7	170	10:55:00 PM Friday
7/19/2019 22:56	0.6	163	10:56:00 PM Friday
7/19/2019 22:57	0.6	161	10:57:00 PM Friday
7/19/2019 22:58	0.5	167	10:58:00 PM Friday
7/19/2019 22:59	0.5	168	10:59:00 PM Friday
7/19/2019 23:00	0.5	167	11:00:00 PM Friday
7/19/2019 23:01	0.6	173	11:01:00 PM Friday
7/19/2019 23:02	0.6	176	11:02:00 PM Friday
7/19/2019 23:03	0.7	185	11:03:00 PM Friday
7/19/2019 23:04	0.7	198	11:04:00 PM Friday
7/19/2019 23:05	0.7	210	11:05:00 PM Friday
7/19/2019 23:06	0.6	217	11:06:00 PM Friday
7/19/2019 23:07	0.6	226	11:07:00 PM Friday
7/19/2019 23:08	0.7	214	11:08:00 PM Friday
7/19/2019 23:09	0.6	202	11:09:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 23:10	0.7	191	11:10:00 PM Friday
7/19/2019 23:11	0.6	188	11:11:00 PM Friday
7/19/2019 23:12	0.7	183	11:12:00 PM Friday
7/19/2019 23:13	0.7	195	11:13:00 PM Friday
7/19/2019 23:14	0.7	205	11:14:00 PM Friday
7/19/2019 23:15	0.8	212	11:15:00 PM Friday
7/19/2019 23:16	0.7	217	11:16:00 PM Friday
7/19/2019 23:17	0.7	225	11:17:00 PM Friday
7/19/2019 23:18	0.8	231	11:18:00 PM Friday
7/19/2019 23:19	0.8	240	11:19:00 PM Friday
7/19/2019 23:20	0.8	233	11:20:00 PM Friday
7/19/2019 23:21	0.7	244	11:21:00 PM Friday
7/19/2019 23:22	0.7	250	11:22:00 PM Friday
7/19/2019 23:23	0.6	247	11:23:00 PM Friday
7/19/2019 23:24	0.7	244	11:24:00 PM Friday
7/19/2019 23:25	0.7	261	11:25:00 PM Friday
7/19/2019 23:26	0.7	260	11:26:00 PM Friday
7/19/2019 23:27	0.8	259	11:27:00 PM Friday
7/19/2019 23:28	0.8	258	11:28:00 PM Friday
7/19/2019 23:29	0.7	237	11:29:00 PM Friday
7/19/2019 23:30	0.6	217	11:30:00 PM Friday
7/19/2019 23:31	0.6	197	11:31:00 PM Friday
7/19/2019 23:32	0.6	177	11:32:00 PM Friday
7/19/2019 23:33	0.6	158	11:33:00 PM Friday
7/19/2019 23:34	0.6	161	11:34:00 PM Friday
7/19/2019 23:35	0.6	164	11:35:00 PM Friday
7/19/2019 23:36	0.6	167	11:36:00 PM Friday
7/19/2019 23:37	0.6	170	11:37:00 PM Friday
7/19/2019 23:38	0.7	171	11:38:00 PM Friday
7/19/2019 23:39	0.8	171	11:39:00 PM Friday
7/19/2019 23:40	0.8	172	11:40:00 PM Friday
7/19/2019 23:41	0.8	176	11:41:00 PM Friday
7/19/2019 23:42	0.8	178	11:42:00 PM Friday
7/19/2019 23:43	0.7	182	11:43:00 PM Friday
7/19/2019 23:44	0.6	185	11:44:00 PM Friday
7/19/2019 23:45	0.7	186	11:45:00 PM Friday
7/19/2019 23:46	0.7	177	11:46:00 PM Friday
7/19/2019 23:47	0.7	179	11:47:00 PM Friday
7/19/2019 23:48	0.7	171	11:48:00 PM Friday
7/19/2019 23:49	0.6	167	11:49:00 PM Friday
7/19/2019 23:50	0.5	166	11:50:00 PM Friday
7/19/2019 23:51	0.5	172	11:51:00 PM Friday
7/19/2019 23:52	0.6	169	11:52:00 PM Friday
7/19/2019 23:53	0.7	174	11:53:00 PM Friday
7/19/2019 23:54	0.8	176	11:54:00 PM Friday
7/19/2019 23:55	0.6	164	11:55:00 PM Friday
7/19/2019 23:56	0.7	161	11:56:00 PM Friday
7/19/2019 23:57	0.7	156	11:57:00 PM Friday
7/19/2019 23:58	0.7	154	11:58:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/19/2019 23:59	0.7	174	11:59:00 PM Friday
7/20/2019 0:00	0.7	192	12:00:00 AM Saturday
7/20/2019 0:01	0.7	214	12:01:00 AM Saturday
7/20/2019 0:02	0.8	231	12:02:00 AM Saturday
7/20/2019 0:03	0.9	243	12:03:00 AM Saturday
7/20/2019 0:04	0.9	231	12:04:00 AM Saturday
7/20/2019 0:05	0.8	233	12:05:00 AM Saturday
7/20/2019 0:06	0.7	233	12:06:00 AM Saturday
7/20/2019 0:07	0.8	235	12:07:00 AM Saturday
7/20/2019 0:08	0.8	213	12:08:00 AM Saturday
7/20/2019 0:09	0.6	196	12:09:00 AM Saturday
7/20/2019 0:10	0.7	162	12:10:00 AM Saturday
7/20/2019 0:11	0.8	141	12:11:00 AM Saturday
7/20/2019 0:12	0.8	128	12:12:00 AM Saturday
7/20/2019 0:13	0.8	133	12:13:00 AM Saturday
7/20/2019 0:14	1.2	138	12:14:00 AM Saturday
7/20/2019 0:15	0.9	159	12:15:00 AM Saturday
7/20/2019 0:16	0.7	179	12:16:00 AM Saturday
7/20/2019 0:17	0.8	186	12:17:00 AM Saturday
7/20/2019 0:18	0.8	176	12:18:00 AM Saturday
7/20/2019 0:19	0.7	171	12:19:00 AM Saturday
7/20/2019 0:20	0.6	169	12:20:00 AM Saturday
7/20/2019 0:21	0.6	163	12:21:00 AM Saturday
7/20/2019 0:22	0.5	143	12:22:00 AM Saturday
7/20/2019 0:23	0.5	139	12:23:00 AM Saturday
7/20/2019 0:24	0.6	145	12:24:00 AM Saturday
7/20/2019 0:25	0.5	151	12:25:00 AM Saturday
7/20/2019 0:26	0.5	154	12:26:00 AM Saturday
7/20/2019 0:28	0.5	166	12:28:00 AM Saturday
7/20/2019 0:32	0.5	156	12:32:00 AM Saturday
7/20/2019 0:33	0.5	144	12:33:00 AM Saturday
7/20/2019 0:34	0.7	177	12:34:00 AM Saturday
7/20/2019 0:35	0.7	197	12:35:00 AM Saturday
7/20/2019 0:36	0.8	191	12:36:00 AM Saturday
7/20/2019 0:37	0.7	205	12:37:00 AM Saturday
7/20/2019 0:38	0.6	181	12:38:00 AM Saturday
7/20/2019 0:39	0.6	181	12:39:00 AM Saturday
7/20/2019 0:40	0.7	157	12:40:00 AM Saturday
7/20/2019 0:41	0.6	179	12:41:00 AM Saturday
7/20/2019 0:42	0.6	171	12:42:00 AM Saturday
7/20/2019 0:43	0.6	175	12:43:00 AM Saturday
7/20/2019 0:44	0.7	177	12:44:00 AM Saturday
7/20/2019 0:45	0.7	206	12:45:00 AM Saturday
7/20/2019 0:46	0.6	178	12:46:00 AM Saturday
7/20/2019 0:47	0.5	171	12:47:00 AM Saturday
7/20/2019 0:48	0.6	176	12:48:00 AM Saturday
7/20/2019 0:49	0.6	172	12:49:00 AM Saturday
7/20/2019 0:50	0.6	170	12:50:00 AM Saturday
7/20/2019 0:51	0.6	192	12:51:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/20/2019 0:52	0.7	198	12:52:00 AM Saturday
7/20/2019 0:53	0.6	189	12:53:00 AM Saturday
7/20/2019 0:54	0.7	192	12:54:00 AM Saturday
7/20/2019 0:55	0.7	187	12:55:00 AM Saturday
7/20/2019 0:56	0.7	153	12:56:00 AM Saturday
7/20/2019 0:57	0.6	143	12:57:00 AM Saturday
7/20/2019 0:58	0.6	136	12:58:00 AM Saturday
7/20/2019 0:59	0.7	126	12:59:00 AM Saturday
7/20/2019 1:00	0.7	124	1:00:00 AM Saturday
7/20/2019 1:01	0.7	142	1:01:00 AM Saturday
7/20/2019 1:02	0.7	143	1:02:00 AM Saturday
7/20/2019 1:03	0.6	144	1:03:00 AM Saturday
7/20/2019 1:04	0.6	155	1:04:00 AM Saturday
7/20/2019 1:05	0.6	163	1:05:00 AM Saturday
7/20/2019 1:06	0.6	143	1:06:00 AM Saturday
7/20/2019 1:07	0.6	142	1:07:00 AM Saturday
7/20/2019 1:08	0.6	141	1:08:00 AM Saturday
7/20/2019 1:09	0.6	156	1:09:00 AM Saturday
7/20/2019 1:10	0.6	149	1:10:00 AM Saturday
7/20/2019 1:11	0.6	173	1:11:00 AM Saturday
7/20/2019 1:12	0.6	172	1:12:00 AM Saturday
7/20/2019 1:13	0.6	180	1:13:00 AM Saturday
7/20/2019 1:14	0.5	177	1:14:00 AM Saturday
7/20/2019 1:15	0.5	202	1:15:00 AM Saturday
7/20/2019 1:16	0.5	185	1:16:00 AM Saturday
7/20/2019 1:17	0.5	183	1:17:00 AM Saturday
7/20/2019 1:18	0.5	186	1:18:00 AM Saturday
7/20/2019 1:19	0.5	166	1:19:00 AM Saturday
7/20/2019 1:20	0.5	156	1:20:00 AM Saturday
7/20/2019 1:21	0.5	155	1:21:00 AM Saturday
7/20/2019 1:22	0.5	163	1:22:00 AM Saturday
7/20/2019 1:23	0.6	155	1:23:00 AM Saturday
7/20/2019 1:24	0.6	161	1:24:00 AM Saturday
7/20/2019 1:25	0.6	147	1:25:00 AM Saturday
7/20/2019 1:26	0.6	157	1:26:00 AM Saturday
7/20/2019 1:27	0.6	176	1:27:00 AM Saturday
7/20/2019 1:28	0.6	158	1:28:00 AM Saturday
7/20/2019 1:29	0.6	166	1:29:00 AM Saturday
7/20/2019 1:30	0.6	182	1:30:00 AM Saturday
7/20/2019 1:31	0.6	203	1:31:00 AM Saturday
7/20/2019 1:32	0.7	189	1:32:00 AM Saturday
7/20/2019 1:33	0.7	232	1:33:00 AM Saturday
7/20/2019 1:34	0.6	214	1:34:00 AM Saturday
7/20/2019 1:35	0.7	199	1:35:00 AM Saturday
7/20/2019 1:36	0.7	175	1:36:00 AM Saturday
7/20/2019 1:37	0.6	172	1:37:00 AM Saturday
7/20/2019 1:38	0.6	152	1:38:00 AM Saturday
7/20/2019 1:39	0.5	160	1:39:00 AM Saturday
7/20/2019 1:40	0.5	154	1:40:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/20/2019 1:41	0.5	161	1:41:00 AM Saturday
7/20/2019 1:42	0.6	164	1:42:00 AM Saturday
7/20/2019 1:43	0.5	152	1:43:00 AM Saturday
7/20/2019 1:47	0.5	108	1:47:00 AM Saturday
7/20/2019 1:48	0.5	106	1:48:00 AM Saturday
7/20/2019 2:03	0.5	153	2:03:00 AM Saturday
7/20/2019 2:04	0.5	175	2:04:00 AM Saturday
7/20/2019 2:05	0.6	197	2:05:00 AM Saturday
7/20/2019 2:06	0.6	219	2:06:00 AM Saturday
7/20/2019 2:07	0.7	242	2:07:00 AM Saturday
7/20/2019 2:08	0.6	240	2:08:00 AM Saturday
7/20/2019 2:09	0.5	241	2:09:00 AM Saturday
7/20/2019 2:10	0.5	244	2:10:00 AM Saturday
7/20/2019 2:11	0.6	246	2:11:00 AM Saturday
7/20/2019 2:12	0.6	254	2:12:00 AM Saturday
7/20/2019 2:13	0.6	263	2:13:00 AM Saturday
7/20/2019 2:14	0.5	216	2:14:00 AM Saturday
7/20/2019 2:15	0.6	220	2:15:00 AM Saturday
7/20/2019 2:16	0.6	210	2:16:00 AM Saturday
7/20/2019 2:17	0.6	194	2:17:00 AM Saturday
7/20/2019 2:18	0.7	195	2:18:00 AM Saturday
7/20/2019 2:19	0.7	223	2:19:00 AM Saturday
7/20/2019 2:20	0.7	198	2:20:00 AM Saturday
7/20/2019 2:21	0.7	204	2:21:00 AM Saturday
7/20/2019 2:22	0.7	211	2:22:00 AM Saturday
7/20/2019 2:23	0.7	207	2:23:00 AM Saturday
7/20/2019 2:24	0.7	218	2:24:00 AM Saturday
7/20/2019 2:25	0.8	246	2:25:00 AM Saturday
7/20/2019 2:26	0.8	252	2:26:00 AM Saturday
7/20/2019 2:27	0.7	263	2:27:00 AM Saturday
7/20/2019 2:28	0.7	258	2:28:00 AM Saturday
7/20/2019 2:29	0.7	264	2:29:00 AM Saturday
7/20/2019 2:30	0.7	247	2:30:00 AM Saturday
7/20/2019 2:31	0.7	237	2:31:00 AM Saturday
7/20/2019 2:32	0.8	221	2:32:00 AM Saturday
7/20/2019 2:33	0.7	217	2:33:00 AM Saturday
7/20/2019 2:34	0.7	214	2:34:00 AM Saturday
7/20/2019 2:35	0.7	227	2:35:00 AM Saturday
7/20/2019 2:36	0.7	229	2:36:00 AM Saturday
7/20/2019 2:37	0.7	233	2:37:00 AM Saturday
7/20/2019 2:38	0.7	230	2:38:00 AM Saturday
7/20/2019 2:39	0.7	209	2:39:00 AM Saturday
7/20/2019 2:40	0.6	176	2:40:00 AM Saturday
7/20/2019 2:41	0.7	160	2:41:00 AM Saturday
7/20/2019 2:42	0.7	154	2:42:00 AM Saturday
7/20/2019 2:43	0.7	147	2:43:00 AM Saturday
7/20/2019 2:44	0.7	157	2:44:00 AM Saturday
7/20/2019 2:45	0.6	168	2:45:00 AM Saturday
7/20/2019 2:46	0.7	173	2:46:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/20/2019 2:47	0.6	167	2:47:00 AM Saturday
7/20/2019 2:48	0.6	167	2:48:00 AM Saturday
7/20/2019 2:49	0.6	176	2:49:00 AM Saturday
7/20/2019 2:50	0.7	194	2:50:00 AM Saturday
7/20/2019 2:51	0.7	203	2:51:00 AM Saturday
7/20/2019 2:52	0.7	210	2:52:00 AM Saturday
7/20/2019 2:53	0.6	220	2:53:00 AM Saturday
7/20/2019 2:54	0.6	222	2:54:00 AM Saturday
7/20/2019 2:55	0.6	224	2:55:00 AM Saturday
7/20/2019 2:56	0.5	236	2:56:00 AM Saturday
7/20/2019 2:57	0.5	249	2:57:00 AM Saturday
7/20/2019 5:06	0.5	240	5:06:00 AM Saturday
7/20/2019 5:07	0.5	237	5:07:00 AM Saturday
7/20/2019 5:08	0.5	239	5:08:00 AM Saturday
7/20/2019 5:09	0.5	245	5:09:00 AM Saturday
7/20/2019 5:10	0.6	239	5:10:00 AM Saturday
7/20/2019 5:11	0.6	251	5:11:00 AM Saturday
7/20/2019 5:12	0.6	232	5:12:00 AM Saturday
7/20/2019 5:13	0.6	238	5:13:00 AM Saturday
7/20/2019 5:14	0.5	250	5:14:00 AM Saturday
7/20/2019 5:15	0.5	250	5:15:00 AM Saturday
7/20/2019 5:16	0.5	258	5:16:00 AM Saturday
7/20/2019 5:21	0.5	260	5:21:00 AM Saturday
7/20/2019 5:23	0.5	265	5:23:00 AM Saturday
7/20/2019 6:00	0.5	245	6:00:00 AM Saturday
7/20/2019 6:01	0.5	240	6:01:00 AM Saturday
7/20/2019 6:02	0.5	236	6:02:00 AM Saturday
7/20/2019 6:03	0.5	231	6:03:00 AM Saturday
7/20/2019 6:04	0.6	227	6:04:00 AM Saturday
7/20/2019 6:05	0.5	224	6:05:00 AM Saturday
7/20/2019 6:06	0.5	221	6:06:00 AM Saturday
7/20/2019 7:04	0.9	262	7:04:00 AM Saturday
7/20/2019 7:05	0.8	248	7:05:00 AM Saturday
7/20/2019 7:06	0.8	235	7:06:00 AM Saturday
7/20/2019 7:07	0.8	208	7:07:00 AM Saturday
7/20/2019 7:08	0.7	189	7:08:00 AM Saturday
7/20/2019 7:09	0.8	183	7:09:00 AM Saturday
7/20/2019 7:10	0.8	175	7:10:00 AM Saturday
7/20/2019 7:11	0.7	165	7:11:00 AM Saturday
7/20/2019 7:12	0.6	188	7:12:00 AM Saturday
7/20/2019 7:13	0.7	203	7:13:00 AM Saturday
7/20/2019 7:14	0.7	206	7:14:00 AM Saturday
7/20/2019 7:15	0.7	208	7:15:00 AM Saturday
7/20/2019 7:16	0.7	213	7:16:00 AM Saturday
7/20/2019 7:17	0.8	206	7:17:00 AM Saturday
7/20/2019 7:18	0.8	202	7:18:00 AM Saturday
7/20/2019 7:19	0.8	217	7:19:00 AM Saturday
7/20/2019 7:20	0.8	236	7:20:00 AM Saturday
7/20/2019 7:21	0.7	255	7:21:00 AM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/20/2019 9:07	0.5	260	9:07:00 AM Saturday
7/20/2019 9:15	0.6	263	9:15:00 AM Saturday
7/20/2019 9:16	0.6	269	9:16:00 AM Saturday
7/20/2019 9:17	0.6	261	9:17:00 AM Saturday
7/20/2019 9:33	0.5	260	9:33:00 AM Saturday
7/20/2019 9:34	0.5	267	9:34:00 AM Saturday
7/20/2019 9:35	0.5	256	9:35:00 AM Saturday
7/20/2019 9:36	0.5	225	9:36:00 AM Saturday
7/20/2019 9:37	0.8	239	9:37:00 AM Saturday
7/20/2019 9:38	0.7	229	9:38:00 AM Saturday
7/20/2019 9:39	0.7	184	9:39:00 AM Saturday
7/20/2019 9:40	0.6	168	9:40:00 AM Saturday
7/20/2019 9:41	0.6	195	9:41:00 AM Saturday
7/20/2019 9:42	0.6	184	9:42:00 AM Saturday
7/20/2019 9:43	0.6	211	9:43:00 AM Saturday
7/20/2019 9:44	0.7	262	9:44:00 AM Saturday
7/20/2019 9:46	0.7	266	9:46:00 AM Saturday
7/20/2019 9:48	0.5	262	9:48:00 AM Saturday
7/20/2019 9:49	0.7	242	9:49:00 AM Saturday
7/20/2019 9:50	0.5	258	9:50:00 AM Saturday
7/20/2019 9:51	0.7	259	9:51:00 AM Saturday
7/20/2019 10:05	0.5	225	10:05:00 AM Saturday
7/20/2019 11:19	0.5	254	11:19:00 AM Saturday
7/20/2019 11:20	0.7	227	11:20:00 AM Saturday
7/20/2019 11:21	0.5	220	11:21:00 AM Saturday
7/20/2019 11:33	0.6	257	11:33:00 AM Saturday
7/20/2019 13:13	0.5	258	1:13:00 PM Saturday
7/20/2019 13:30	0.5	260	1:30:00 PM Saturday
7/20/2019 13:31	0.5	264	1:31:00 PM Saturday
7/20/2019 13:32	0.5	240	1:32:00 PM Saturday
7/20/2019 13:33	0.5	270	1:33:00 PM Saturday
7/20/2019 13:34	0.6	259	1:34:00 PM Saturday
7/20/2019 13:35	0.6	258	1:35:00 PM Saturday
7/20/2019 13:43	0.6	257	1:43:00 PM Saturday
7/20/2019 13:44	0.6	246	1:44:00 PM Saturday
7/20/2019 13:45	0.6	261	1:45:00 PM Saturday
7/20/2019 13:46	0.5	269	1:46:00 PM Saturday
7/20/2019 13:51	0.5	250	1:51:00 PM Saturday
7/20/2019 13:53	0.6	245	1:53:00 PM Saturday
7/20/2019 13:56	0.5	240	1:56:00 PM Saturday
7/20/2019 13:58	0.5	237	1:58:00 PM Saturday
7/20/2019 14:10	0.6	253	2:10:00 PM Saturday
7/20/2019 14:11	0.5	261	2:11:00 PM Saturday
7/20/2019 14:14	0.5	267	2:14:00 PM Saturday
7/20/2019 14:15	0.6	258	2:15:00 PM Saturday
7/20/2019 14:17	0.6	212	2:17:00 PM Saturday
7/20/2019 14:18	0.5	197	2:18:00 PM Saturday
7/20/2019 14:21	0.7	230	2:21:00 PM Saturday
7/20/2019 14:27	0.5	263	2:27:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/20/2019 14:30	0.5	218	2:30:00 PM Saturday
7/20/2019 14:45	0.5	264	2:45:00 PM Saturday
7/20/2019 15:22	0.5	247	3:22:00 PM Saturday
7/20/2019 15:26	0.5	215	3:26:00 PM Saturday
7/20/2019 17:19	0.5	247	5:19:00 PM Saturday
7/20/2019 17:46	0.5	266	5:46:00 PM Saturday
7/20/2019 17:49	0.5	217	5:49:00 PM Saturday
7/20/2019 17:50	0.5	209	5:50:00 PM Saturday
7/20/2019 17:53	0.5	251	5:53:00 PM Saturday
7/20/2019 17:55	0.5	267	5:55:00 PM Saturday
7/20/2019 17:56	0.6	269	5:56:00 PM Saturday
7/20/2019 17:58	0.5	260	5:58:00 PM Saturday
7/20/2019 18:00	0.6	232	6:00:00 PM Saturday
7/20/2019 18:01	0.6	238	6:01:00 PM Saturday
7/20/2019 18:02	0.7	238	6:02:00 PM Saturday
7/20/2019 18:03	0.5	233	6:03:00 PM Saturday
7/20/2019 18:04	0.6	237	6:04:00 PM Saturday
7/20/2019 18:05	0.7	248	6:05:00 PM Saturday
7/20/2019 18:06	0.8	267	6:06:00 PM Saturday
7/20/2019 18:13	0.5	264	6:13:00 PM Saturday
7/20/2019 18:21	0.5	248	6:21:00 PM Saturday
7/20/2019 18:24	0.5	249	6:24:00 PM Saturday
7/20/2019 18:25	0.5	240	6:25:00 PM Saturday
7/20/2019 18:35	0.5	269	6:35:00 PM Saturday
7/20/2019 18:37	0.5	266	6:37:00 PM Saturday
7/20/2019 18:39	0.5	242	6:39:00 PM Saturday
7/20/2019 18:42	0.5	257	6:42:00 PM Saturday
7/20/2019 19:22	0.5	250	7:22:00 PM Saturday
7/20/2019 19:26	0.5	217	7:26:00 PM Saturday
7/20/2019 19:27	0.5	212	7:27:00 PM Saturday
7/20/2019 19:28	0.5	175	7:28:00 PM Saturday
7/21/2019 17:41	0.5	269	5:41:00 PM Sunday
7/21/2019 19:22	0.5	183	7:22:00 PM Sunday
7/22/2019 15:12	0.6	196	3:12:00 PM Monday
7/22/2019 16:40	1	203	4:40:00 PM Monday
7/22/2019 16:41	0.5	203	4:41:00 PM Monday
7/22/2019 16:42	0.8	183	4:42:00 PM Monday
7/22/2019 16:43	0.8	206	4:43:00 PM Monday
7/22/2019 16:45	0.8	202	4:45:00 PM Monday
7/22/2019 16:55	0.7	209	4:55:00 PM Monday
7/22/2019 16:56	0.5	229	4:56:00 PM Monday
7/22/2019 17:28	0.7	262	5:28:00 PM Monday
7/22/2019 17:30	0.5	226	5:30:00 PM Monday
7/22/2019 17:31	0.7	214	5:31:00 PM Monday
7/22/2019 17:32	0.7	192	5:32:00 PM Monday
7/22/2019 17:33	0.7	199	5:33:00 PM Monday
7/22/2019 17:34	0.6	203	5:34:00 PM Monday
7/23/2019 9:53	1.2	254	9:53:00 AM Tuesday
7/23/2019 9:54	0.5	242	9:54:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert	
7/23/2019 9:55	0.5	244	9:55:00 AM	Tuesday
7/23/2019 10:11	0.5	254	10:11:00 AM	Tuesday
7/23/2019 10:48	0.9	252	10:48:00 AM	Tuesday
7/23/2019 10:53	0.8	237	10:53:00 AM	Tuesday
7/23/2019 10:54	0.6	240	10:54:00 AM	Tuesday
7/23/2019 11:31	1.1	249	11:31:00 AM	Tuesday
7/23/2019 11:32	1.2	239	11:32:00 AM	Tuesday
7/23/2019 11:33	0.6	230	11:33:00 AM	Tuesday
7/23/2019 11:35	1	225	11:35:00 AM	Tuesday
7/23/2019 11:36	0.9	235	11:36:00 AM	Tuesday
7/23/2019 22:07	0.5	259	10:07:00 PM	Tuesday
7/23/2019 22:09	0.5	251	10:09:00 PM	Tuesday
7/23/2019 22:10	0.8	251	10:10:00 PM	Tuesday
7/23/2019 22:12	0.5	251	10:12:00 PM	Tuesday
7/23/2019 22:13	0.5	251	10:13:00 PM	Tuesday
7/24/2019 11:16	0.9	244	11:16:00 AM	Wednesda
7/24/2019 11:17	0.6	211	11:17:00 AM	Wednesda
7/24/2019 11:18	0.5	201	11:18:00 AM	Wednesda
7/24/2019 11:21	0.5	220	11:21:00 AM	Wednesda
7/24/2019 11:24	0.7	211	11:24:00 AM	Wednesda
7/24/2019 11:25	0.6	192	11:25:00 AM	Wednesda
7/24/2019 11:26	1	199	11:26:00 AM	Wednesda
7/24/2019 11:27	0.5	215	11:27:00 AM	Wednesda
7/24/2019 11:28	1	209	11:28:00 AM	Wednesda
7/24/2019 12:32	0.9	268	12:32:00 PM	Wednesda
7/24/2019 12:34	0.5	264	12:34:00 PM	Wednesda
7/24/2019 13:25	0.8	269	1:25:00 PM	Wednesda
7/24/2019 13:26	0.9	250	1:26:00 PM	Wednesda
7/24/2019 13:27	0.6	249	1:27:00 PM	Wednesda
7/24/2019 15:35	0.5	235	3:35:00 PM	Wednesda
7/24/2019 15:36	0.8	227	3:36:00 PM	Wednesda
7/24/2019 15:37	0.7	240	3:37:00 PM	Wednesda
7/24/2019 15:41	0.5	261	3:41:00 PM	Wednesda
7/24/2019 15:42	0.6	255	3:42:00 PM	Wednesda
7/24/2019 15:43	0.6	255	3:43:00 PM	Wednesda
7/24/2019 15:44	0.6	249	3:44:00 PM	Wednesda
7/24/2019 15:45	0.7	233	3:45:00 PM	Wednesda
7/24/2019 15:46	1	232	3:46:00 PM	Wednesda
7/24/2019 15:47	0.9	234	3:47:00 PM	Wednesda
7/24/2019 15:48	0.5	233	3:48:00 PM	Wednesda
7/24/2019 15:49	0.7	225	3:49:00 PM	Wednesda
7/24/2019 15:50	0.5	236	3:50:00 PM	Wednesda
7/24/2019 15:51	0.6	227	3:51:00 PM	Wednesda
7/24/2019 15:52	0.9	214	3:52:00 PM	Wednesda
7/24/2019 15:53	0.7	209	3:53:00 PM	Wednesda
7/24/2019 15:54	0.8	205	3:54:00 PM	Wednesda
7/24/2019 15:59	0.8	265	3:59:00 PM	Wednesda
7/24/2019 16:01	0.5	251	4:01:00 PM	Wednesda
7/24/2019 16:03	0.8	216	4:03:00 PM	Wednesda

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
7/24/2019 16:05	0.6	226	4:05:00 PM	Wednesda
7/24/2019 16:06	0.5	221	4:06:00 PM	Wednesda
7/24/2019 16:07	0.5	224	4:07:00 PM	Wednesda
7/24/2019 16:09	0.5	266	4:09:00 PM	Wednesda
7/24/2019 16:13	0.9	264	4:13:00 PM	Wednesda
7/24/2019 16:16	0.6	232	4:16:00 PM	Wednesda
7/24/2019 16:19	0.5	257	4:19:00 PM	Wednesda
7/24/2019 16:20	0.6	249	4:20:00 PM	Wednesda
7/24/2019 16:21	0.9	245	4:21:00 PM	Wednesda
7/24/2019 16:22	0.7	225	4:22:00 PM	Wednesda
7/24/2019 18:58	0.5	255	6:58:00 PM	Wednesda
7/25/2019 8:40	0.5	204	8:40:00 AM	Thursday
7/25/2019 8:43	0.7	219	8:43:00 AM	Thursday
7/25/2019 9:00	0.5	219	9:00:00 AM	Thursday
7/25/2019 9:02	0.5	248	9:02:00 AM	Thursday
7/25/2019 9:04	0.5	245	9:04:00 AM	Thursday
7/25/2019 9:05	0.6	244	9:05:00 AM	Thursday
7/25/2019 9:06	0.5	236	9:06:00 AM	Thursday
7/25/2019 9:08	0.7	207	9:08:00 AM	Thursday
7/25/2019 9:14	0.5	169	9:14:00 AM	Thursday
7/25/2019 9:20	0.5	243	9:20:00 AM	Thursday
7/25/2019 9:27	0.5	249	9:27:00 AM	Thursday
7/25/2019 9:28	0.5	247	9:28:00 AM	Thursday
7/25/2019 9:29	0.6	245	9:29:00 AM	Thursday
7/25/2019 10:01	0.5	239	10:01:00 AM	Thursday
7/25/2019 10:14	0.7	250	10:14:00 AM	Thursday
7/25/2019 10:16	0.5	217	10:16:00 AM	Thursday
7/25/2019 10:17	0.6	201	10:17:00 AM	Thursday
7/25/2019 10:30	0.6	255	10:30:00 AM	Thursday
7/25/2019 10:39	0.5	257	10:39:00 AM	Thursday
7/25/2019 10:43	0.6	213	10:43:00 AM	Thursday
7/25/2019 10:47	0.5	248	10:47:00 AM	Thursday
7/25/2019 10:53	0.6	265	10:53:00 AM	Thursday
7/25/2019 10:54	0.5	254	10:54:00 AM	Thursday
7/25/2019 10:59	0.5	260	10:59:00 AM	Thursday
7/25/2019 11:07	0.5	234	11:07:00 AM	Thursday
7/25/2019 11:09	0.8	245	11:09:00 AM	Thursday
7/25/2019 11:10	0.7	235	11:10:00 AM	Thursday
7/25/2019 11:11	0.6	224	11:11:00 AM	Thursday
7/25/2019 11:12	0.9	231	11:12:00 AM	Thursday
7/25/2019 11:13	0.7	227	11:13:00 AM	Thursday
7/25/2019 11:14	0.7	216	11:14:00 AM	Thursday
7/25/2019 11:15	0.6	244	11:15:00 AM	Thursday
7/25/2019 11:18	0.5	235	11:18:00 AM	Thursday
7/25/2019 11:19	0.5	235	11:19:00 AM	Thursday
7/25/2019 11:22	0.5	242	11:22:00 AM	Thursday
7/25/2019 11:28	0.5	267	11:28:00 AM	Thursday
7/25/2019 11:42	0.5	253	11:42:00 AM	Thursday
7/25/2019 11:43	0.5	267	11:43:00 AM	Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/25/2019 11:49	1	214	11:49:00 AM Thursday
7/25/2019 11:50	0.9	233	11:50:00 AM Thursday
7/25/2019 12:00	0.5	254	12:00:00 PM Thursday
7/25/2019 13:44	0.5	270	1:44:00 PM Thursday
7/25/2019 13:47	0.7	247	1:47:00 PM Thursday
7/25/2019 13:49	0.5	230	1:49:00 PM Thursday
7/25/2019 15:10	0.8	266	3:10:00 PM Thursday
7/25/2019 15:11	1.6	260	3:11:00 PM Thursday
7/25/2019 15:12	7.8	254	3:12:00 PM Thursday
7/25/2019 15:14	2.1	258	3:14:00 PM Thursday
7/25/2019 15:15	0.6	262	3:15:00 PM Thursday
7/25/2019 21:07	0.6	223	9:07:00 PM Thursday
7/25/2019 23:06	0.5	236	11:06:00 PM Thursday
7/25/2019 23:34	0.5	167	11:34:00 PM Thursday
7/26/2019 0:25	0.5	167	12:25:00 AM Friday
7/26/2019 0:31	0.6	171	12:31:00 AM Friday
7/26/2019 0:50	0.5	183	12:50:00 AM Friday
7/26/2019 1:03	0.5	152	1:03:00 AM Friday
7/26/2019 1:08	0.5	238	1:08:00 AM Friday
7/26/2019 1:11	0.5	218	1:11:00 AM Friday
7/26/2019 1:12	0.5	210	1:12:00 AM Friday
7/26/2019 1:14	0.5	222	1:14:00 AM Friday
7/26/2019 1:15	0.6	225	1:15:00 AM Friday
7/26/2019 1:16	0.5	230	1:16:00 AM Friday
7/26/2019 1:23	0.5	194	1:23:00 AM Friday
7/26/2019 1:24	0.6	194	1:24:00 AM Friday
7/26/2019 1:25	0.6	197	1:25:00 AM Friday
7/26/2019 1:26	0.5	206	1:26:00 AM Friday
7/26/2019 1:27	0.5	208	1:27:00 AM Friday
7/26/2019 1:30	0.5	190	1:30:00 AM Friday
7/26/2019 1:31	0.5	180	1:31:00 AM Friday
7/26/2019 7:50	0.5	118	7:50:00 AM Friday
7/26/2019 8:31	0.5	193	8:31:00 AM Friday
7/26/2019 8:44	0.6	201	8:44:00 AM Friday
7/26/2019 8:47	0.5	255	8:47:00 AM Friday
7/26/2019 8:49	0.5	268	8:49:00 AM Friday
7/26/2019 10:27	0.5	249	10:27:00 AM Friday
7/26/2019 10:59	0.5	247	10:59:00 AM Friday
7/26/2019 17:16	0.7	270	5:16:00 PM Friday
7/26/2019 17:20	0.5	257	5:20:00 PM Friday
7/26/2019 17:21	0.6	266	5:21:00 PM Friday
7/26/2019 17:22	1	257	5:22:00 PM Friday
7/26/2019 17:23	0.7	242	5:23:00 PM Friday
7/26/2019 17:24	1.3	228	5:24:00 PM Friday
7/26/2019 17:25	1.1	232	5:25:00 PM Friday
7/26/2019 17:26	0.9	223	5:26:00 PM Friday
7/26/2019 17:27	1.4	213	5:27:00 PM Friday
7/26/2019 17:28	1.1	217	5:28:00 PM Friday
7/26/2019 17:29	1.7	225	5:29:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/26/2019 17:30	1.1	218	5:30:00 PM Friday
7/26/2019 17:31	1.1	223	5:31:00 PM Friday
7/26/2019 17:32	0.8	229	5:32:00 PM Friday
7/26/2019 17:33	1.5	229	5:33:00 PM Friday
7/26/2019 17:34	1.1	220	5:34:00 PM Friday
7/26/2019 17:35	0.5	226	5:35:00 PM Friday
7/26/2019 18:00	1.3	265	6:00:00 PM Friday
7/26/2019 18:01	0.7	249	6:01:00 PM Friday
7/26/2019 18:02	1.1	248	6:02:00 PM Friday
7/26/2019 18:19	1.4	267	6:19:00 PM Friday
7/26/2019 18:20	0.5	257	6:20:00 PM Friday
7/26/2019 18:36	0.8	269	6:36:00 PM Friday
7/26/2019 18:37	0.6	260	6:37:00 PM Friday
7/26/2019 18:38	1	254	6:38:00 PM Friday
7/26/2019 18:39	1.6	241	6:39:00 PM Friday
7/26/2019 18:40	1.6	226	6:40:00 PM Friday
7/26/2019 18:41	1.1	210	6:41:00 PM Friday
7/26/2019 18:42	0.7	206	6:42:00 PM Friday
7/26/2019 18:46	1.3	242	6:46:00 PM Friday
7/26/2019 18:47	0.8	236	6:47:00 PM Friday
7/26/2019 18:48	0.5	224	6:48:00 PM Friday
7/26/2019 19:10	0.7	245	7:10:00 PM Friday
7/26/2019 19:11	0.5	243	7:11:00 PM Friday
7/26/2019 19:13	0.5	245	7:13:00 PM Friday
7/26/2019 19:16	0.8	232	7:16:00 PM Friday
7/26/2019 19:18	0.5	209	7:18:00 PM Friday
7/26/2019 19:20	0.6	202	7:20:00 PM Friday
7/26/2019 19:21	0.9	201	7:21:00 PM Friday
7/26/2019 19:22	0.6	207	7:22:00 PM Friday
7/26/2019 19:23	0.5	212	7:23:00 PM Friday
7/26/2019 19:24	0.8	223	7:24:00 PM Friday
7/26/2019 19:25	0.8	222	7:25:00 PM Friday
7/26/2019 19:26	0.8	220	7:26:00 PM Friday
7/26/2019 19:27	0.5	231	7:27:00 PM Friday
7/26/2019 19:30	0.8	244	7:30:00 PM Friday
7/26/2019 19:31	1.1	254	7:31:00 PM Friday
7/26/2019 19:32	1.1	237	7:32:00 PM Friday
7/26/2019 19:33	0.6	211	7:33:00 PM Friday
7/26/2019 19:34	0.5	179	7:34:00 PM Friday
7/26/2019 19:35	0.5	169	7:35:00 PM Friday
7/26/2019 19:36	0.7	153	7:36:00 PM Friday
7/26/2019 19:37	0.6	161	7:37:00 PM Friday
7/26/2019 19:39	0.8	194	7:39:00 PM Friday
7/26/2019 19:40	0.6	207	7:40:00 PM Friday
7/26/2019 19:44	0.5	213	7:44:00 PM Friday
7/26/2019 19:46	0.7	195	7:46:00 PM Friday
7/26/2019 19:47	0.8	190	7:47:00 PM Friday
7/26/2019 19:48	1.3	187	7:48:00 PM Friday
7/26/2019 19:49	0.6	171	7:49:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/26/2019 19:50	0.8	177	7:50:00 PM Friday
7/26/2019 19:52	0.5	177	7:52:00 PM Friday
7/26/2019 19:54	1	176	7:54:00 PM Friday
7/26/2019 19:55	1	175	7:55:00 PM Friday
7/26/2019 19:56	1	174	7:56:00 PM Friday
7/26/2019 19:57	0.5	174	7:57:00 PM Friday
7/26/2019 19:58	0.9	173	7:58:00 PM Friday
7/26/2019 19:59	0.5	173	7:59:00 PM Friday
7/26/2019 20:00	0.9	173	8:00:00 PM Friday
7/26/2019 20:01	0.7	166	8:01:00 PM Friday
7/26/2019 20:02	1	169	8:02:00 PM Friday
7/26/2019 20:03	0.8	171	8:03:00 PM Friday
7/26/2019 20:04	0.8	173	8:04:00 PM Friday
7/26/2019 20:06	0.9	182	8:06:00 PM Friday
7/26/2019 20:07	1.1	182	8:07:00 PM Friday
7/26/2019 20:08	0.7	181	8:08:00 PM Friday
7/26/2019 20:09	0.6	182	8:09:00 PM Friday
7/26/2019 20:10	0.7	182	8:10:00 PM Friday
7/26/2019 20:11	0.8	182	8:11:00 PM Friday
7/26/2019 20:12	1	182	8:12:00 PM Friday
7/26/2019 20:18	0.9	149	8:18:00 PM Friday
7/26/2019 20:19	0.9	149	8:19:00 PM Friday
7/26/2019 20:20	0.5	149	8:20:00 PM Friday
7/26/2019 20:25	0.5	150	8:25:00 PM Friday
7/26/2019 20:28	0.5	150	8:28:00 PM Friday
7/26/2019 20:29	0.6	150	8:29:00 PM Friday
7/26/2019 20:31	0.5	150	8:31:00 PM Friday
7/26/2019 20:32	0.6	150	8:32:00 PM Friday
7/26/2019 20:33	0.7	150	8:33:00 PM Friday
7/26/2019 20:34	0.5	150	8:34:00 PM Friday
7/26/2019 20:35	0.5	150	8:35:00 PM Friday
7/26/2019 20:37	0.7	150	8:37:00 PM Friday
7/26/2019 20:38	0.5	150	8:38:00 PM Friday
7/26/2019 20:39	0.5	150	8:39:00 PM Friday
7/26/2019 20:40	0.6	150	8:40:00 PM Friday
7/26/2019 20:41	0.9	150	8:41:00 PM Friday
7/26/2019 20:42	0.5	150	8:42:00 PM Friday
7/26/2019 20:43	0.5	150	8:43:00 PM Friday
7/26/2019 20:50	0.5	150	8:50:00 PM Friday
7/26/2019 20:52	0.9	150	8:52:00 PM Friday
7/26/2019 20:53	0.8	150	8:53:00 PM Friday
7/26/2019 20:54	0.6	150	8:54:00 PM Friday
7/26/2019 20:55	0.7	150	8:55:00 PM Friday
7/26/2019 20:56	0.8	150	8:56:00 PM Friday
7/26/2019 20:57	0.6	150	8:57:00 PM Friday
7/26/2019 20:58	0.6	150	8:58:00 PM Friday
7/26/2019 21:02	0.5	150	9:02:00 PM Friday
7/26/2019 21:06	0.7	150	9:06:00 PM Friday
7/26/2019 21:13	0.5	150	9:13:00 PM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/26/2019 21:34	0.5	150	9:34:00 PM Friday
7/26/2019 21:35	0.5	150	9:35:00 PM Friday
7/27/2019 8:01	0.5	175	8:01:00 AM Saturday
7/27/2019 8:03	0.5	211	8:03:00 AM Saturday
7/27/2019 8:08	0.5	186	8:08:00 AM Saturday
7/27/2019 8:38	0.5	150	8:38:00 AM Saturday
7/27/2019 8:39	0.6	162	8:39:00 AM Saturday
7/27/2019 8:40	0.6	180	8:40:00 AM Saturday
7/27/2019 8:41	0.5	193	8:41:00 AM Saturday
7/27/2019 8:42	0.5	202	8:42:00 AM Saturday
7/27/2019 8:43	0.5	206	8:43:00 AM Saturday
7/27/2019 8:44	0.6	201	8:44:00 AM Saturday
7/27/2019 8:46	0.7	202	8:46:00 AM Saturday
7/27/2019 8:48	0.5	196	8:48:00 AM Saturday
7/27/2019 8:50	0.6	206	8:50:00 AM Saturday
7/27/2019 8:51	0.5	214	8:51:00 AM Saturday
7/27/2019 8:52	0.6	232	8:52:00 AM Saturday
7/27/2019 8:53	0.8	241	8:53:00 AM Saturday
7/27/2019 8:54	0.7	247	8:54:00 AM Saturday
7/27/2019 8:55	0.6	237	8:55:00 AM Saturday
7/27/2019 8:56	0.6	220	8:56:00 AM Saturday
7/27/2019 8:57	0.5	221	8:57:00 AM Saturday
7/27/2019 8:58	0.6	217	8:58:00 AM Saturday
7/27/2019 8:59	0.7	218	8:59:00 AM Saturday
7/27/2019 9:00	0.7	221	9:00:00 AM Saturday
7/27/2019 9:01	0.5	236	9:01:00 AM Saturday
7/27/2019 9:03	0.5	224	9:03:00 AM Saturday
7/27/2019 9:04	0.7	242	9:04:00 AM Saturday
7/27/2019 9:05	0.7	239	9:05:00 AM Saturday
7/27/2019 9:06	0.6	242	9:06:00 AM Saturday
7/27/2019 9:08	0.8	243	9:08:00 AM Saturday
7/27/2019 9:09	0.7	224	9:09:00 AM Saturday
7/27/2019 9:43	0.5	267	9:43:00 AM Saturday
7/27/2019 9:44	0.6	255	9:44:00 AM Saturday
7/27/2019 10:43	0.6	249	10:43:00 AM Saturday
7/27/2019 10:48	0.9	259	10:48:00 AM Saturday
7/27/2019 11:37	0.5	267	11:37:00 AM Saturday
7/27/2019 12:05	0.5	224	12:05:00 PM Saturday
7/27/2019 12:06	0.5	220	12:06:00 PM Saturday
7/27/2019 12:07	0.8	201	12:07:00 PM Saturday
7/27/2019 12:08	0.5	241	12:08:00 PM Saturday
7/27/2019 12:10	0.6	242	12:10:00 PM Saturday
7/27/2019 12:11	0.7	229	12:11:00 PM Saturday
7/27/2019 12:26	0.5	256	12:26:00 PM Saturday
7/27/2019 12:28	0.7	262	12:28:00 PM Saturday
7/27/2019 13:30	0.5	269	1:30:00 PM Saturday
7/27/2019 13:32	0.8	251	1:32:00 PM Saturday
7/27/2019 13:33	0.6	257	1:33:00 PM Saturday
7/27/2019 13:35	0.5	262	1:35:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/27/2019 18:02	0.7	266	6:02:00 PM Saturday
7/27/2019 18:03	1.2	251	6:03:00 PM Saturday
7/27/2019 18:04	1	231	6:04:00 PM Saturday
7/27/2019 18:05	0.7	230	6:05:00 PM Saturday
7/27/2019 18:07	0.7	244	6:07:00 PM Saturday
7/27/2019 18:20	0.5	265	6:20:00 PM Saturday
7/27/2019 18:28	0.5	252	6:28:00 PM Saturday
7/27/2019 18:29	0.7	256	6:29:00 PM Saturday
7/27/2019 18:30	0.7	226	6:30:00 PM Saturday
7/27/2019 18:36	0.5	258	6:36:00 PM Saturday
7/27/2019 18:38	1	221	6:38:00 PM Saturday
7/27/2019 18:39	0.5	211	6:39:00 PM Saturday
7/27/2019 18:40	0.7	210	6:40:00 PM Saturday
7/27/2019 18:42	0.5	236	6:42:00 PM Saturday
7/27/2019 18:43	0.5	234	6:43:00 PM Saturday
7/27/2019 18:44	0.6	233	6:44:00 PM Saturday
7/27/2019 18:45	0.5	222	6:45:00 PM Saturday
7/27/2019 18:46	0.7	207	6:46:00 PM Saturday
7/27/2019 18:47	0.5	195	6:47:00 PM Saturday
7/27/2019 18:48	0.5	232	6:48:00 PM Saturday
7/27/2019 18:49	0.8	258	6:49:00 PM Saturday
7/27/2019 18:56	0.5	250	6:56:00 PM Saturday
7/27/2019 19:05	0.5	244	7:05:00 PM Saturday
7/27/2019 19:06	0.6	230	7:06:00 PM Saturday
7/27/2019 19:07	0.6	233	7:07:00 PM Saturday
7/27/2019 19:09	0.5	221	7:09:00 PM Saturday
7/27/2019 19:19	0.6	171	7:19:00 PM Saturday
7/27/2019 19:20	0.5	173	7:20:00 PM Saturday
7/27/2019 19:21	0.6	179	7:21:00 PM Saturday
7/27/2019 19:22	0.7	197	7:22:00 PM Saturday
7/27/2019 19:23	0.6	219	7:23:00 PM Saturday
7/27/2019 19:24	0.7	218	7:24:00 PM Saturday
7/27/2019 19:25	0.7	225	7:25:00 PM Saturday
7/27/2019 19:26	0.5	225	7:26:00 PM Saturday
7/27/2019 19:28	0.6	209	7:28:00 PM Saturday
7/27/2019 19:29	0.5	212	7:29:00 PM Saturday
7/27/2019 19:30	0.6	196	7:30:00 PM Saturday
7/27/2019 19:31	0.5	192	7:31:00 PM Saturday
7/27/2019 19:39	0.5	180	7:39:00 PM Saturday
7/27/2019 19:41	0.5	192	7:41:00 PM Saturday
7/27/2019 19:42	0.8	186	7:42:00 PM Saturday
7/27/2019 19:46	0.5	177	7:46:00 PM Saturday
7/27/2019 19:47	0.5	176	7:47:00 PM Saturday
7/27/2019 19:49	0.5	183	7:49:00 PM Saturday
7/27/2019 19:50	0.5	186	7:50:00 PM Saturday
7/27/2019 19:51	0.5	180	7:51:00 PM Saturday
7/27/2019 19:52	0.5	193	7:52:00 PM Saturday
7/27/2019 19:53	0.6	187	7:53:00 PM Saturday
7/27/2019 19:54	0.7	180	7:54:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/27/2019 19:56	0.5	180	7:56:00 PM Saturday
7/27/2019 19:57	0.8	189	7:57:00 PM Saturday
7/27/2019 19:59	0.6	231	7:59:00 PM Saturday
7/27/2019 20:00	0.9	242	8:00:00 PM Saturday
7/27/2019 20:01	1	255	8:01:00 PM Saturday
7/27/2019 20:02	0.8	246	8:02:00 PM Saturday
7/27/2019 20:03	0.6	247	8:03:00 PM Saturday
7/27/2019 20:04	0.7	226	8:04:00 PM Saturday
7/27/2019 20:05	0.7	223	8:05:00 PM Saturday
7/27/2019 20:06	0.8	221	8:06:00 PM Saturday
7/27/2019 20:07	0.9	217	8:07:00 PM Saturday
7/27/2019 20:08	0.8	205	8:08:00 PM Saturday
7/27/2019 20:09	0.6	201	8:09:00 PM Saturday
7/27/2019 20:10	0.5	189	8:10:00 PM Saturday
7/27/2019 20:11	0.5	174	8:11:00 PM Saturday
7/27/2019 20:12	0.5	159	8:12:00 PM Saturday
7/27/2019 20:21	0.5	213	8:21:00 PM Saturday
7/27/2019 20:23	0.5	225	8:23:00 PM Saturday
7/27/2019 20:29	0.6	180	8:29:00 PM Saturday
7/27/2019 20:30	0.6	188	8:30:00 PM Saturday
7/27/2019 20:31	0.6	194	8:31:00 PM Saturday
7/27/2019 20:36	0.5	212	8:36:00 PM Saturday
7/27/2019 20:39	0.5	195	8:39:00 PM Saturday
7/27/2019 20:40	0.7	195	8:40:00 PM Saturday
7/27/2019 20:41	0.5	183	8:41:00 PM Saturday
7/27/2019 20:46	0.5	250	8:46:00 PM Saturday
7/27/2019 20:50	0.5	192	8:50:00 PM Saturday
7/27/2019 20:52	0.5	183	8:52:00 PM Saturday
7/27/2019 20:53	0.6	203	8:53:00 PM Saturday
7/27/2019 20:56	0.7	248	8:56:00 PM Saturday
7/27/2019 20:57	0.5	238	8:57:00 PM Saturday
7/27/2019 20:58	0.5	217	8:58:00 PM Saturday
7/27/2019 20:59	0.5	196	8:59:00 PM Saturday
7/27/2019 21:12	0.5	174	9:12:00 PM Saturday
7/27/2019 21:13	0.5	186	9:13:00 PM Saturday
7/27/2019 21:14	0.6	180	9:14:00 PM Saturday
7/27/2019 21:15	0.6	180	9:15:00 PM Saturday
7/27/2019 21:16	0.5	169	9:16:00 PM Saturday
7/27/2019 21:17	0.7	157	9:17:00 PM Saturday
7/27/2019 21:18	0.5	152	9:18:00 PM Saturday
7/27/2019 21:19	0.5	148	9:19:00 PM Saturday
7/27/2019 21:22	0.5	184	9:22:00 PM Saturday
7/27/2019 21:24	0.5	191	9:24:00 PM Saturday
7/27/2019 21:25	0.5	204	9:25:00 PM Saturday
7/27/2019 21:26	0.5	198	9:26:00 PM Saturday
7/27/2019 21:27	0.5	194	9:27:00 PM Saturday
7/27/2019 21:28	0.5	195	9:28:00 PM Saturday
7/27/2019 21:29	0.5	206	9:29:00 PM Saturday
7/27/2019 21:30	0.5	200	9:30:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/27/2019 21:31	0.6	207	9:31:00 PM Saturday
7/27/2019 21:32	0.6	221	9:32:00 PM Saturday
7/27/2019 21:33	0.7	208	9:33:00 PM Saturday
7/27/2019 21:34	0.6	189	9:34:00 PM Saturday
7/27/2019 21:35	0.6	196	9:35:00 PM Saturday
7/27/2019 21:36	0.5	197	9:36:00 PM Saturday
7/27/2019 21:37	0.6	189	9:37:00 PM Saturday
7/27/2019 21:38	0.5	202	9:38:00 PM Saturday
7/27/2019 21:41	0.5	199	9:41:00 PM Saturday
7/27/2019 21:44	0.5	215	9:44:00 PM Saturday
7/27/2019 21:45	0.5	218	9:45:00 PM Saturday
7/27/2019 21:46	0.6	214	9:46:00 PM Saturday
7/27/2019 21:47	0.6	222	9:47:00 PM Saturday
7/27/2019 21:48	0.6	223	9:48:00 PM Saturday
7/27/2019 21:49	0.5	243	9:49:00 PM Saturday
7/27/2019 21:50	0.7	244	9:50:00 PM Saturday
7/27/2019 21:51	0.7	250	9:51:00 PM Saturday
7/27/2019 21:52	0.6	256	9:52:00 PM Saturday
7/27/2019 21:53	0.5	256	9:53:00 PM Saturday
7/27/2019 21:54	0.5	265	9:54:00 PM Saturday
7/27/2019 21:58	0.5	260	9:58:00 PM Saturday
7/27/2019 21:59	0.7	242	9:59:00 PM Saturday
7/27/2019 22:00	0.8	225	10:00:00 PM Saturday
7/27/2019 22:01	0.6	217	10:01:00 PM Saturday
7/27/2019 22:02	0.6	213	10:02:00 PM Saturday
7/27/2019 22:03	0.6	209	10:03:00 PM Saturday
7/27/2019 22:04	0.6	209	10:04:00 PM Saturday
7/27/2019 22:05	0.6	205	10:05:00 PM Saturday
7/27/2019 22:06	0.6	201	10:06:00 PM Saturday
7/27/2019 22:07	0.6	203	10:07:00 PM Saturday
7/27/2019 22:08	0.7	205	10:08:00 PM Saturday
7/27/2019 22:09	0.5	207	10:09:00 PM Saturday
7/27/2019 22:10	0.5	212	10:10:00 PM Saturday
7/27/2019 22:12	0.5	227	10:12:00 PM Saturday
7/27/2019 22:13	0.5	235	10:13:00 PM Saturday
7/27/2019 22:14	0.5	242	10:14:00 PM Saturday
7/27/2019 22:15	0.5	239	10:15:00 PM Saturday
7/27/2019 22:16	0.5	255	10:16:00 PM Saturday
7/27/2019 22:17	0.6	259	10:17:00 PM Saturday
7/27/2019 22:18	0.6	244	10:18:00 PM Saturday
7/27/2019 22:19	0.6	227	10:19:00 PM Saturday
7/27/2019 22:20	0.6	222	10:20:00 PM Saturday
7/27/2019 22:21	0.5	218	10:21:00 PM Saturday
7/27/2019 22:22	0.7	211	10:22:00 PM Saturday
7/27/2019 22:23	0.7	205	10:23:00 PM Saturday
7/27/2019 22:24	0.5	202	10:24:00 PM Saturday
7/27/2019 22:31	0.5	194	10:31:00 PM Saturday
7/27/2019 22:32	0.5	206	10:32:00 PM Saturday
7/27/2019 22:33	0.5	219	10:33:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/27/2019 22:34	0.5	220	10:34:00 PM Saturday
7/27/2019 22:35	0.6	221	10:35:00 PM Saturday
7/27/2019 22:36	0.6	218	10:36:00 PM Saturday
7/27/2019 22:37	0.8	215	10:37:00 PM Saturday
7/27/2019 22:38	0.7	201	10:38:00 PM Saturday
7/27/2019 22:46	0.5	200	10:46:00 PM Saturday
7/27/2019 22:50	0.5	162	10:50:00 PM Saturday
7/27/2019 22:52	0.5	159	10:52:00 PM Saturday
7/27/2019 22:53	0.5	166	10:53:00 PM Saturday
7/27/2019 22:56	0.5	160	10:56:00 PM Saturday
7/27/2019 23:00	0.5	158	11:00:00 PM Saturday
7/27/2019 23:14	0.5	153	11:14:00 PM Saturday
7/27/2019 23:35	0.6	169	11:35:00 PM Saturday
7/27/2019 23:36	0.5	190	11:36:00 PM Saturday
7/27/2019 23:40	0.5	156	11:40:00 PM Saturday
7/27/2019 23:41	0.5	134	11:41:00 PM Saturday
7/27/2019 23:42	0.5	125	11:42:00 PM Saturday
7/27/2019 23:43	0.5	167	11:43:00 PM Saturday
7/27/2019 23:44	0.7	182	11:44:00 PM Saturday
7/27/2019 23:45	0.5	194	11:45:00 PM Saturday
7/27/2019 23:47	0.6	212	11:47:00 PM Saturday
7/27/2019 23:48	0.5	213	11:48:00 PM Saturday
7/27/2019 23:50	0.5	196	11:50:00 PM Saturday
7/27/2019 23:51	0.5	197	11:51:00 PM Saturday
7/28/2019 1:13	0.5	165	1:13:00 AM Sunday
7/28/2019 1:14	0.5	170	1:14:00 AM Sunday
7/28/2019 1:21	0.6	131	1:21:00 AM Sunday
7/28/2019 2:02	0.5	175	2:02:00 AM Sunday
7/28/2019 2:08	0.6	233	2:08:00 AM Sunday
7/28/2019 2:09	0.5	204	2:09:00 AM Sunday
7/28/2019 2:31	0.5	183	2:31:00 AM Sunday
7/28/2019 2:32	0.5	191	2:32:00 AM Sunday
7/28/2019 2:33	0.6	232	2:33:00 AM Sunday
7/28/2019 2:34	0.5	254	2:34:00 AM Sunday
7/28/2019 2:35	0.5	231	2:35:00 AM Sunday
7/28/2019 2:36	0.7	216	2:36:00 AM Sunday
7/28/2019 2:37	0.5	186	2:37:00 AM Sunday
7/28/2019 2:38	0.6	186	2:38:00 AM Sunday
7/28/2019 2:41	0.6	149	2:41:00 AM Sunday
7/28/2019 2:42	0.5	128	2:42:00 AM Sunday
7/28/2019 2:44	0.6	165	2:44:00 AM Sunday
7/28/2019 2:57	0.5	198	2:57:00 AM Sunday
7/28/2019 2:58	0.5	205	2:58:00 AM Sunday
7/28/2019 2:59	0.5	218	2:59:00 AM Sunday
7/28/2019 3:00	0.6	208	3:00:00 AM Sunday
7/28/2019 3:01	0.6	232	3:01:00 AM Sunday
7/28/2019 3:02	0.5	184	3:02:00 AM Sunday
7/28/2019 3:04	0.5	122	3:04:00 AM Sunday
7/28/2019 3:12	0.5	138	3:12:00 AM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/28/2019 3:18	0.5	216	3:18:00 AM Sunday
7/28/2019 3:23	0.5	187	3:23:00 AM Sunday
7/28/2019 3:24	0.5	153	3:24:00 AM Sunday
7/28/2019 3:25	0.5	193	3:25:00 AM Sunday
7/28/2019 3:26	0.5	220	3:26:00 AM Sunday
7/28/2019 3:32	0.5	220	3:32:00 AM Sunday
7/28/2019 3:38	0.5	227	3:38:00 AM Sunday
7/28/2019 3:41	0.5	241	3:41:00 AM Sunday
7/28/2019 3:42	0.6	244	3:42:00 AM Sunday
7/28/2019 3:43	0.5	243	3:43:00 AM Sunday
7/28/2019 3:44	0.6	242	3:44:00 AM Sunday
7/28/2019 3:45	0.6	224	3:45:00 AM Sunday
7/28/2019 3:46	0.6	221	3:46:00 AM Sunday
7/28/2019 3:47	0.6	236	3:47:00 AM Sunday
7/28/2019 3:48	0.7	265	3:48:00 AM Sunday
7/28/2019 3:49	0.6	262	3:49:00 AM Sunday
7/28/2019 3:53	0.5	243	3:53:00 AM Sunday
7/28/2019 3:55	0.6	157	3:55:00 AM Sunday
7/28/2019 3:56	0.6	156	3:56:00 AM Sunday
7/28/2019 3:57	0.6	148	3:57:00 AM Sunday
7/28/2019 3:58	0.6	166	3:58:00 AM Sunday
7/28/2019 3:59	0.6	207	3:59:00 AM Sunday
7/28/2019 4:00	0.5	262	4:00:00 AM Sunday
7/28/2019 4:04	0.5	229	4:04:00 AM Sunday
7/28/2019 4:05	0.5	177	4:05:00 AM Sunday
7/28/2019 4:06	0.5	212	4:06:00 AM Sunday
7/28/2019 4:09	0.5	204	4:09:00 AM Sunday
7/28/2019 4:10	0.5	240	4:10:00 AM Sunday
7/28/2019 8:39	0.5	222	8:39:00 AM Sunday
7/28/2019 8:40	0.6	196	8:40:00 AM Sunday
7/28/2019 8:41	0.6	193	8:41:00 AM Sunday
7/28/2019 8:42	0.5	206	8:42:00 AM Sunday
7/28/2019 8:43	0.6	219	8:43:00 AM Sunday
7/28/2019 8:45	0.5	213	8:45:00 AM Sunday
7/28/2019 8:47	0.5	174	8:47:00 AM Sunday
7/28/2019 16:49	0.5	270	4:49:00 PM Sunday
7/28/2019 16:50	0.5	251	4:50:00 PM Sunday
7/28/2019 16:53	0.6	244	4:53:00 PM Sunday
7/28/2019 17:29	0.5	264	5:29:00 PM Sunday
7/28/2019 17:33	0.5	266	5:33:00 PM Sunday
7/28/2019 17:35	0.6	249	5:35:00 PM Sunday
7/28/2019 17:38	0.5	253	5:38:00 PM Sunday
7/28/2019 17:43	0.7	222	5:43:00 PM Sunday
7/28/2019 18:29	0.6	258	6:29:00 PM Sunday
7/28/2019 18:30	0.5	246	6:30:00 PM Sunday
7/28/2019 18:31	0.6	233	6:31:00 PM Sunday
7/28/2019 18:32	0.6	233	6:32:00 PM Sunday
7/28/2019 18:33	0.5	215	6:33:00 PM Sunday
7/28/2019 18:34	0.9	211	6:34:00 PM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/28/2019 18:35	0.9	217	6:35:00 PM Sunday
7/28/2019 18:36	0.7	226	6:36:00 PM Sunday
7/28/2019 18:37	0.9	235	6:37:00 PM Sunday
7/28/2019 18:38	0.9	239	6:38:00 PM Sunday
7/28/2019 18:39	0.7	251	6:39:00 PM Sunday
7/28/2019 18:40	0.7	260	6:40:00 PM Sunday
7/28/2019 18:41	0.7	266	6:41:00 PM Sunday
7/28/2019 18:42	0.7	257	6:42:00 PM Sunday
7/28/2019 18:44	0.6	251	6:44:00 PM Sunday
7/28/2019 18:45	0.7	245	6:45:00 PM Sunday
7/28/2019 18:46	0.5	245	6:46:00 PM Sunday
7/28/2019 18:47	0.5	215	6:47:00 PM Sunday
7/28/2019 18:48	0.6	214	6:48:00 PM Sunday
7/28/2019 18:50	0.6	239	6:50:00 PM Sunday
7/28/2019 18:52	0.5	265	6:52:00 PM Sunday
7/28/2019 18:53	0.6	267	6:53:00 PM Sunday
7/28/2019 18:54	0.6	249	6:54:00 PM Sunday
7/28/2019 18:55	0.6	244	6:55:00 PM Sunday
7/28/2019 18:56	0.5	247	6:56:00 PM Sunday
7/28/2019 18:57	0.5	260	6:57:00 PM Sunday
7/28/2019 19:36	0.5	270	7:36:00 PM Sunday
7/28/2019 19:37	0.6	253	7:37:00 PM Sunday
7/28/2019 19:38	0.7	250	7:38:00 PM Sunday
7/28/2019 19:39	0.5	240	7:39:00 PM Sunday
7/28/2019 19:47	0.5	256	7:47:00 PM Sunday
7/28/2019 19:53	0.5	229	7:53:00 PM Sunday
7/28/2019 20:39	0.5	231	8:39:00 PM Sunday
7/28/2019 20:40	0.5	162	8:40:00 PM Sunday
7/28/2019 20:42	0.5	129	8:42:00 PM Sunday
7/28/2019 20:43	0.5	180	8:43:00 PM Sunday
7/28/2019 20:46	0.5	244	8:46:00 PM Sunday
7/28/2019 21:11	0.5	200	9:11:00 PM Sunday
7/28/2019 21:16	0.5	196	9:16:00 PM Sunday
7/28/2019 21:17	0.5	212	9:17:00 PM Sunday
7/28/2019 21:22	0.5	205	9:22:00 PM Sunday
7/28/2019 21:23	0.5	202	9:23:00 PM Sunday
7/28/2019 21:24	0.5	204	9:24:00 PM Sunday
7/28/2019 22:03	0.5	251	10:03:00 PM Sunday
7/28/2019 22:04	0.5	238	10:04:00 PM Sunday
7/28/2019 22:07	0.5	179	10:07:00 PM Sunday
7/28/2019 22:13	0.5	267	10:13:00 PM Sunday
7/28/2019 22:28	0.5	212	10:28:00 PM Sunday
7/28/2019 22:29	0.5	202	10:29:00 PM Sunday
7/28/2019 22:31	0.5	125	10:31:00 PM Sunday
7/28/2019 22:32	0.6	133	10:32:00 PM Sunday
7/28/2019 22:33	0.5	170	10:33:00 PM Sunday
7/28/2019 22:34	0.5	184	10:34:00 PM Sunday
7/28/2019 22:44	0.5	246	10:44:00 PM Sunday
7/28/2019 22:45	0.5	250	10:45:00 PM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/28/2019 22:46	0.5	239	10:46:00 PM Sunday
7/28/2019 23:07	0.5	176	11:07:00 PM Sunday
7/28/2019 23:29	0.5	197	11:29:00 PM Sunday
7/28/2019 23:33	0.5	235	11:33:00 PM Sunday
7/28/2019 23:34	0.6	255	11:34:00 PM Sunday
7/28/2019 23:35	0.5	266	11:35:00 PM Sunday
7/28/2019 23:37	0.5	263	11:37:00 PM Sunday
7/28/2019 23:39	0.5	260	11:39:00 PM Sunday
7/28/2019 23:40	0.5	219	11:40:00 PM Sunday
7/28/2019 23:41	0.5	211	11:41:00 PM Sunday
7/28/2019 23:42	0.6	189	11:42:00 PM Sunday
7/28/2019 23:43	0.5	154	11:43:00 PM Sunday
7/28/2019 23:44	0.5	158	11:44:00 PM Sunday
7/29/2019 0:05	0.5	223	12:05:00 AM Monday
7/29/2019 0:06	0.5	236	12:06:00 AM Monday
7/29/2019 0:08	0.5	208	12:08:00 AM Monday
7/29/2019 0:10	0.5	148	12:10:00 AM Monday
7/29/2019 0:11	0.5	129	12:11:00 AM Monday
7/29/2019 1:00	0.5	204	1:00:00 AM Monday
7/29/2019 1:01	0.6	216	1:01:00 AM Monday
7/29/2019 1:02	0.5	221	1:02:00 AM Monday
7/29/2019 1:03	0.5	219	1:03:00 AM Monday
7/29/2019 1:28	0.6	179	1:28:00 AM Monday
7/29/2019 1:29	0.5	179	1:29:00 AM Monday
7/29/2019 1:30	0.5	179	1:30:00 AM Monday
7/29/2019 1:31	0.5	173	1:31:00 AM Monday
7/29/2019 1:32	0.5	177	1:32:00 AM Monday
7/29/2019 1:33	0.5	178	1:33:00 AM Monday
7/29/2019 1:34	0.6	185	1:34:00 AM Monday
7/29/2019 1:35	0.6	187	1:35:00 AM Monday
7/29/2019 1:36	0.6	194	1:36:00 AM Monday
7/29/2019 1:37	0.5	192	1:37:00 AM Monday
7/29/2019 1:38	0.6	220	1:38:00 AM Monday
7/29/2019 1:39	0.6	206	1:39:00 AM Monday
7/29/2019 1:40	0.6	196	1:40:00 AM Monday
7/29/2019 1:41	0.7	204	1:41:00 AM Monday
7/29/2019 1:42	0.6	208	1:42:00 AM Monday
7/29/2019 1:43	0.6	180	1:43:00 AM Monday
7/29/2019 1:44	0.7	197	1:44:00 AM Monday
7/29/2019 1:45	0.7	208	1:45:00 AM Monday
7/29/2019 1:46	0.6	199	1:46:00 AM Monday
7/29/2019 1:47	0.7	213	1:47:00 AM Monday
7/29/2019 1:48	0.6	216	1:48:00 AM Monday
7/29/2019 1:49	0.6	204	1:49:00 AM Monday
7/29/2019 1:50	0.5	220	1:50:00 AM Monday
7/29/2019 1:51	0.5	242	1:51:00 AM Monday
7/29/2019 1:52	0.6	229	1:52:00 AM Monday
7/29/2019 1:53	0.6	232	1:53:00 AM Monday
7/29/2019 1:54	0.6	227	1:54:00 AM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/29/2019 1:55	0.6	201	1:55:00 AM Monday
7/29/2019 1:56	0.5	171	1:56:00 AM Monday
7/29/2019 1:57	0.6	159	1:57:00 AM Monday
7/29/2019 1:58	0.6	148	1:58:00 AM Monday
7/29/2019 1:59	0.5	151	1:59:00 AM Monday
7/29/2019 2:00	0.6	162	2:00:00 AM Monday
7/29/2019 2:01	0.5	167	2:01:00 AM Monday
7/29/2019 2:02	0.5	172	2:02:00 AM Monday
7/29/2019 2:03	0.6	176	2:03:00 AM Monday
7/29/2019 2:04	0.5	200	2:04:00 AM Monday
7/29/2019 2:05	0.5	216	2:05:00 AM Monday
7/29/2019 2:06	0.5	221	2:06:00 AM Monday
7/29/2019 2:07	0.5	221	2:07:00 AM Monday
7/29/2019 2:08	0.7	226	2:08:00 AM Monday
7/29/2019 2:09	0.6	210	2:09:00 AM Monday
7/29/2019 2:10	0.5	164	2:10:00 AM Monday
7/29/2019 2:14	0.5	170	2:14:00 AM Monday
7/29/2019 2:25	0.5	213	2:25:00 AM Monday
7/29/2019 2:26	0.5	235	2:26:00 AM Monday
7/29/2019 2:30	0.5	149	2:30:00 AM Monday
7/29/2019 2:31	0.5	126	2:31:00 AM Monday
7/29/2019 2:50	0.5	174	2:50:00 AM Monday
7/29/2019 3:00	0.5	182	3:00:00 AM Monday
7/29/2019 7:18	0.5	135	7:18:00 AM Monday
7/29/2019 7:28	0.5	170	7:28:00 AM Monday
7/29/2019 7:34	0.5	148	7:34:00 AM Monday
7/29/2019 7:35	0.5	140	7:35:00 AM Monday
7/29/2019 7:36	0.5	143	7:36:00 AM Monday
7/29/2019 7:37	0.5	163	7:37:00 AM Monday
7/29/2019 7:38	0.6	178	7:38:00 AM Monday
7/29/2019 7:39	0.7	195	7:39:00 AM Monday
7/29/2019 7:40	0.5	193	7:40:00 AM Monday
7/29/2019 7:47	0.6	157	7:47:00 AM Monday
7/29/2019 7:48	0.7	174	7:48:00 AM Monday
7/29/2019 7:49	0.6	184	7:49:00 AM Monday
7/29/2019 7:50	0.5	184	7:50:00 AM Monday
7/29/2019 7:51	0.6	194	7:51:00 AM Monday
7/29/2019 7:52	0.7	200	7:52:00 AM Monday
7/29/2019 7:53	0.6	181	7:53:00 AM Monday
7/29/2019 7:54	0.7	183	7:54:00 AM Monday
7/29/2019 7:55	0.5	184	7:55:00 AM Monday
7/29/2019 7:56	0.5	184	7:56:00 AM Monday
7/29/2019 7:57	0.6	176	7:57:00 AM Monday
7/29/2019 7:58	0.6	186	7:58:00 AM Monday
7/29/2019 7:59	0.7	195	7:59:00 AM Monday
7/29/2019 8:00	0.8	198	8:00:00 AM Monday
7/29/2019 8:01	0.6	202	8:01:00 AM Monday
7/29/2019 8:02	0.5	207	8:02:00 AM Monday
7/29/2019 8:03	0.5	217	8:03:00 AM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/29/2019 8:04	0.5	236	8:04:00 AM Monday
7/29/2019 8:05	0.7	234	8:05:00 AM Monday
7/29/2019 8:06	0.5	229	8:06:00 AM Monday
7/29/2019 8:07	0.5	234	8:07:00 AM Monday
7/29/2019 8:08	0.5	219	8:08:00 AM Monday
7/29/2019 8:09	0.5	219	8:09:00 AM Monday
7/29/2019 8:10	0.6	195	8:10:00 AM Monday
7/29/2019 8:12	0.6	232	8:12:00 AM Monday
7/29/2019 8:13	0.5	252	8:13:00 AM Monday
7/29/2019 8:14	0.5	233	8:14:00 AM Monday
7/29/2019 8:15	0.5	247	8:15:00 AM Monday
7/29/2019 8:16	0.5	248	8:16:00 AM Monday
7/29/2019 8:17	0.6	231	8:17:00 AM Monday
7/29/2019 8:18	0.6	230	8:18:00 AM Monday
7/29/2019 8:19	0.5	229	8:19:00 AM Monday
7/29/2019 8:20	0.5	240	8:20:00 AM Monday
7/29/2019 8:21	0.5	233	8:21:00 AM Monday
7/29/2019 8:22	0.6	227	8:22:00 AM Monday
7/29/2019 8:23	0.5	203	8:23:00 AM Monday
7/29/2019 8:25	0.5	207	8:25:00 AM Monday
7/29/2019 8:27	0.5	223	8:27:00 AM Monday
7/29/2019 8:28	0.7	233	8:28:00 AM Monday
7/29/2019 8:29	0.6	233	8:29:00 AM Monday
7/29/2019 8:30	0.5	202	8:30:00 AM Monday
7/29/2019 8:31	0.6	192	8:31:00 AM Monday
7/29/2019 8:32	0.5	177	8:32:00 AM Monday
7/29/2019 8:33	0.8	161	8:33:00 AM Monday
7/29/2019 8:34	0.6	171	8:34:00 AM Monday
7/29/2019 8:35	0.5	195	8:35:00 AM Monday
7/29/2019 8:36	0.6	213	8:36:00 AM Monday
7/29/2019 8:37	0.6	215	8:37:00 AM Monday
7/29/2019 8:39	0.5	211	8:39:00 AM Monday
7/29/2019 8:41	0.5	185	8:41:00 AM Monday
7/29/2019 8:43	0.5	185	8:43:00 AM Monday
7/29/2019 8:45	0.5	211	8:45:00 AM Monday
7/29/2019 8:46	0.5	211	8:46:00 AM Monday
7/29/2019 8:47	0.5	224	8:47:00 AM Monday
7/29/2019 8:48	0.5	218	8:48:00 AM Monday
7/29/2019 8:49	0.5	213	8:49:00 AM Monday
7/29/2019 8:53	0.7	209	8:53:00 AM Monday
7/29/2019 8:54	0.5	210	8:54:00 AM Monday
7/29/2019 8:55	0.5	229	8:55:00 AM Monday
7/29/2019 8:56	0.5	253	8:56:00 AM Monday
7/29/2019 8:57	0.5	269	8:57:00 AM Monday
7/29/2019 9:00	0.6	257	9:00:00 AM Monday
7/29/2019 9:13	0.5	243	9:13:00 AM Monday
7/29/2019 9:14	0.5	236	9:14:00 AM Monday
7/29/2019 9:15	0.6	231	9:15:00 AM Monday
7/29/2019 10:19	0.5	233	10:19:00 AM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/29/2019 10:57	0.5	262	10:57:00 AM Monday
7/29/2019 16:53	0.5	247	4:53:00 PM Monday
7/29/2019 17:04	0.5	253	5:04:00 PM Monday
7/29/2019 18:08	0.5	256	6:08:00 PM Monday
7/29/2019 18:12	0.5	242	6:12:00 PM Monday
7/29/2019 18:14	0.5	241	6:14:00 PM Monday
7/29/2019 18:16	0.5	222	6:16:00 PM Monday
7/29/2019 18:24	0.5	260	6:24:00 PM Monday
7/29/2019 18:27	0.5	261	6:27:00 PM Monday
7/29/2019 18:29	0.5	239	6:29:00 PM Monday
7/29/2019 19:12	0.8	214	7:12:00 PM Monday
7/29/2019 19:38	0.5	208	7:38:00 PM Monday
7/29/2019 19:56	0.5	212	7:56:00 PM Monday
7/29/2019 19:57	0.5	215	7:57:00 PM Monday
7/29/2019 20:00	0.5	204	8:00:00 PM Monday
7/29/2019 20:01	0.5	202	8:01:00 PM Monday
7/29/2019 20:05	0.6	216	8:05:00 PM Monday
7/29/2019 20:10	0.5	219	8:10:00 PM Monday
7/29/2019 20:20	0.5	195	8:20:00 PM Monday
7/29/2019 20:24	0.5	217	8:24:00 PM Monday
7/29/2019 20:25	0.7	214	8:25:00 PM Monday
7/29/2019 20:28	0.6	210	8:28:00 PM Monday
7/29/2019 20:29	0.7	212	8:29:00 PM Monday
7/29/2019 20:39	0.5	207	8:39:00 PM Monday
7/30/2019 9:46	0.5	210	9:46:00 AM Tuesday
7/30/2019 9:47	0.6	212	9:47:00 AM Tuesday
7/30/2019 9:48	0.9	230	9:48:00 AM Tuesday
7/30/2019 9:49	0.9	192	9:49:00 AM Tuesday
7/30/2019 9:50	0.7	193	9:50:00 AM Tuesday
7/30/2019 9:51	0.7	179	9:51:00 AM Tuesday
7/30/2019 9:52	0.6	163	9:52:00 AM Tuesday
7/30/2019 9:53	0.6	122	9:53:00 AM Tuesday
7/30/2019 9:54	0.6	152	9:54:00 AM Tuesday
7/30/2019 9:55	0.5	183	9:55:00 AM Tuesday
7/30/2019 9:56	0.5	174	9:56:00 AM Tuesday
7/30/2019 9:57	0.5	184	9:57:00 AM Tuesday
7/30/2019 9:58	0.5	216	9:58:00 AM Tuesday
7/30/2019 9:59	0.5	205	9:59:00 AM Tuesday
7/30/2019 10:00	0.5	205	10:00:00 AM Tuesday
7/30/2019 10:01	0.5	216	10:01:00 AM Tuesday
7/30/2019 10:02	0.5	225	10:02:00 AM Tuesday
7/30/2019 10:03	0.5	225	10:03:00 AM Tuesday
7/30/2019 10:04	0.5	233	10:04:00 AM Tuesday
7/30/2019 10:05	0.5	219	10:05:00 AM Tuesday
7/30/2019 10:06	0.6	218	10:06:00 AM Tuesday
7/30/2019 10:07	0.6	216	10:07:00 AM Tuesday
7/30/2019 10:08	0.6	216	10:08:00 AM Tuesday
7/30/2019 10:09	0.6	207	10:09:00 AM Tuesday
7/30/2019 10:10	0.6	204	10:10:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
7/30/2019 10:11	0.6	216	10:11:00 AM Tuesday
7/30/2019 10:12	0.6	223	10:12:00 AM Tuesday
7/30/2019 10:13	0.5	236	10:13:00 AM Tuesday
7/30/2019 10:14	0.5	245	10:14:00 AM Tuesday
7/30/2019 10:15	0.6	247	10:15:00 AM Tuesday
7/30/2019 10:16	0.5	237	10:16:00 AM Tuesday
7/30/2019 10:17	0.5	235	10:17:00 AM Tuesday
7/30/2019 10:18	0.5	209	10:18:00 AM Tuesday
7/30/2019 10:24	0.5	207	10:24:00 AM Tuesday
7/30/2019 10:25	0.5	219	10:25:00 AM Tuesday
7/30/2019 10:29	0.5	264	10:29:00 AM Tuesday
7/30/2019 10:31	0.5	230	10:31:00 AM Tuesday
7/30/2019 10:32	0.6	193	10:32:00 AM Tuesday
7/30/2019 10:33	0.5	203	10:33:00 AM Tuesday
7/30/2019 10:34	0.5	196	10:34:00 AM Tuesday
7/30/2019 10:35	0.6	193	10:35:00 AM Tuesday
7/30/2019 10:36	0.5	170	10:36:00 AM Tuesday
7/30/2019 10:37	0.6	205	10:37:00 AM Tuesday
7/30/2019 10:38	0.6	205	10:38:00 AM Tuesday
7/30/2019 10:39	0.6	231	10:39:00 AM Tuesday
7/30/2019 10:40	0.6	217	10:40:00 AM Tuesday
7/30/2019 10:41	0.6	219	10:41:00 AM Tuesday
7/30/2019 10:42	0.6	225	10:42:00 AM Tuesday
7/30/2019 10:43	0.5	240	10:43:00 AM Tuesday
7/30/2019 10:44	0.6	239	10:44:00 AM Tuesday
7/30/2019 11:38	0.6	256	11:38:00 AM Tuesday
7/30/2019 11:39	0.5	238	11:39:00 AM Tuesday
7/30/2019 11:40	0.5	256	11:40:00 AM Tuesday
7/30/2019 11:41	0.6	258	11:41:00 AM Tuesday
7/30/2019 11:42	0.6	223	11:42:00 AM Tuesday
7/30/2019 11:43	0.8	191	11:43:00 AM Tuesday
7/30/2019 11:44	1.1	183	11:44:00 AM Tuesday
7/30/2019 11:45	1	160	11:45:00 AM Tuesday
7/30/2019 11:46	1.1	160	11:46:00 AM Tuesday
7/30/2019 11:47	0.9	219	11:47:00 AM Tuesday
7/30/2019 11:48	0.9	211	11:48:00 AM Tuesday
7/30/2019 11:49	0.8	221	11:49:00 AM Tuesday
7/30/2019 11:50	0.7	190	11:50:00 AM Tuesday
7/30/2019 11:51	0.7	201	11:51:00 AM Tuesday
7/30/2019 11:52	0.7	191	11:52:00 AM Tuesday
7/30/2019 11:53	0.6	191	11:53:00 AM Tuesday
7/30/2019 11:54	0.6	180	11:54:00 AM Tuesday
7/30/2019 11:55	0.5	265	11:55:00 AM Tuesday
7/30/2019 11:56	0.5	254	11:56:00 AM Tuesday
7/30/2019 11:57	0.5	262	11:57:00 AM Tuesday
7/30/2019 11:58	0.5	270	11:58:00 AM Tuesday
7/30/2019 11:59	0.5	264	11:59:00 AM Tuesday
7/30/2019 12:01	0.6	267	12:01:00 PM Tuesday
7/30/2019 12:02	0.7	251	12:02:00 PM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
7/30/2019 12:03	0.6	240	12:03:00 PM Tuesday
7/30/2019 12:04	0.6	241	12:04:00 PM Tuesday
7/30/2019 12:05	0.6	241	12:05:00 PM Tuesday
7/30/2019 12:06	0.6	242	12:06:00 PM Tuesday
7/30/2019 12:14	0.6	266	12:14:00 PM Tuesday
7/30/2019 12:15	0.6	269	12:15:00 PM Tuesday
7/30/2019 12:37	0.6	267	12:37:00 PM Tuesday
7/30/2019 18:25	0.7	258	6:25:00 PM Tuesday
8/5/2019 9:40	0.5	210	9:40:00 AM Monday
8/5/2019 9:52	0.5	195	9:52:00 AM Monday
8/5/2019 10:16	0.5	174	10:16:00 AM Monday
8/5/2019 10:51	0.5	256	10:51:00 AM Monday
8/5/2019 16:53	0.6	261	4:53:00 PM Monday
8/5/2019 16:54	0.5	245	4:54:00 PM Monday
8/5/2019 17:15	0.5	267	5:15:00 PM Monday
8/5/2019 17:26	0.6	243	5:26:00 PM Monday
8/5/2019 17:27	0.6	228	5:27:00 PM Monday
8/5/2019 17:32	0.5	258	5:32:00 PM Monday
8/5/2019 17:33	0.5	248	5:33:00 PM Monday
8/5/2019 17:34	0.5	243	5:34:00 PM Monday
8/5/2019 17:39	0.6	233	5:39:00 PM Monday
8/5/2019 17:40	0.5	237	5:40:00 PM Monday
8/5/2019 17:44	0.6	218	5:44:00 PM Monday
8/5/2019 17:46	0.5	205	5:46:00 PM Monday
8/5/2019 18:07	0.5	228	6:07:00 PM Monday
8/6/2019 8:16	0.5	201	8:16:00 AM Tuesday
8/6/2019 16:07	0.5	241	4:07:00 PM Tuesday
8/11/2019 8:50	0.6	191	8:50:00 AM Sunday
8/11/2019 9:21	0.5	230	9:21:00 AM Sunday
8/11/2019 9:24	0.5	196	9:24:00 AM Sunday
8/11/2019 10:32	0.8	267	10:32:00 AM Sunday
8/11/2019 10:33	0.6	266	10:33:00 AM Sunday
8/11/2019 10:34	0.5	263	10:34:00 AM Sunday
8/11/2019 10:36	0.8	261	10:36:00 AM Sunday
8/11/2019 10:38	0.6	269	10:38:00 AM Sunday
8/11/2019 10:40	0.6	268	10:40:00 AM Sunday
8/11/2019 10:42	1.1	267	10:42:00 AM Sunday
8/11/2019 10:44	0.5	253	10:44:00 AM Sunday
8/11/2019 10:45	0.5	252	10:45:00 AM Sunday
8/11/2019 10:47	0.8	259	10:47:00 AM Sunday
8/12/2019 16:27	0.5	264	4:27:00 PM Monday
8/12/2019 21:29	0.5	230	9:29:00 PM Monday
8/12/2019 21:31	0.5	227	9:31:00 PM Monday
8/12/2019 21:37	0.5	230	9:37:00 PM Monday
8/12/2019 21:39	0.5	227	9:39:00 PM Monday
8/12/2019 21:40	0.5	223	9:40:00 PM Monday
8/12/2019 21:41	0.6	223	9:41:00 PM Monday
8/12/2019 21:42	0.6	224	9:42:00 PM Monday
8/12/2019 21:43	0.6	224	9:43:00 PM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/12/2019 21:44	0.7	231	9:44:00 PM Monday
8/12/2019 21:45	0.6	227	9:45:00 PM Monday
8/12/2019 21:46	0.7	227	9:46:00 PM Monday
8/12/2019 21:47	0.9	227	9:47:00 PM Monday
8/12/2019 21:48	0.7	229	9:48:00 PM Monday
8/12/2019 21:49	0.6	230	9:49:00 PM Monday
8/12/2019 21:50	0.6	230	9:50:00 PM Monday
8/12/2019 21:51	0.6	233	9:51:00 PM Monday
8/12/2019 21:54	0.6	219	9:54:00 PM Monday
8/12/2019 21:55	0.7	217	9:55:00 PM Monday
8/12/2019 21:56	0.5	219	9:56:00 PM Monday
8/12/2019 21:57	0.6	215	9:57:00 PM Monday
8/12/2019 21:58	0.7	206	9:58:00 PM Monday
8/12/2019 21:59	0.7	210	9:59:00 PM Monday
8/12/2019 22:00	0.9	205	10:00:00 PM Monday
8/12/2019 22:01	0.9	202	10:01:00 PM Monday
8/12/2019 22:02	0.8	207	10:02:00 PM Monday
8/12/2019 22:03	0.8	214	10:03:00 PM Monday
8/12/2019 22:04	0.8	219	10:04:00 PM Monday
8/12/2019 22:05	0.8	223	10:05:00 PM Monday
8/12/2019 22:06	0.9	223	10:06:00 PM Monday
8/12/2019 22:07	1	222	10:07:00 PM Monday
8/12/2019 22:08	0.9	220	10:08:00 PM Monday
8/12/2019 22:09	1	213	10:09:00 PM Monday
8/12/2019 22:10	1.1	207	10:10:00 PM Monday
8/12/2019 22:11	1.1	204	10:11:00 PM Monday
8/12/2019 22:12	1.2	198	10:12:00 PM Monday
8/12/2019 22:13	1.1	203	10:13:00 PM Monday
8/12/2019 22:14	0.8	214	10:14:00 PM Monday
8/12/2019 22:15	1.3	220	10:15:00 PM Monday
8/12/2019 22:16	1.4	226	10:16:00 PM Monday
8/12/2019 22:17	1	241	10:17:00 PM Monday
8/12/2019 22:18	0.7	246	10:18:00 PM Monday
8/12/2019 22:19	0.8	242	10:19:00 PM Monday
8/12/2019 22:20	1.1	234	10:20:00 PM Monday
8/12/2019 22:21	1.1	235	10:21:00 PM Monday
8/12/2019 22:22	1.1	220	10:22:00 PM Monday
8/12/2019 22:23	1.1	220	10:23:00 PM Monday
8/12/2019 22:24	1.3	215	10:24:00 PM Monday
8/12/2019 22:25	1.1	217	10:25:00 PM Monday
8/12/2019 22:26	1.2	208	10:26:00 PM Monday
8/12/2019 22:27	1.3	214	10:27:00 PM Monday
8/12/2019 22:28	1.1	203	10:28:00 PM Monday
8/12/2019 22:29	1	207	10:29:00 PM Monday
8/12/2019 22:30	1	211	10:30:00 PM Monday
8/12/2019 22:31	1.4	216	10:31:00 PM Monday
8/12/2019 22:32	1.1	212	10:32:00 PM Monday
8/12/2019 22:33	0.8	219	10:33:00 PM Monday
8/12/2019 22:34	0.7	233	10:34:00 PM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/12/2019 22:35	0.7	247	10:35:00 PM Monday
8/12/2019 22:36	0.6	255	10:36:00 PM Monday
8/12/2019 22:37	0.5	267	10:37:00 PM Monday
8/12/2019 22:40	0.5	255	10:40:00 PM Monday
8/12/2019 22:41	0.7	243	10:41:00 PM Monday
8/12/2019 22:42	0.7	230	10:42:00 PM Monday
8/12/2019 22:43	0.7	210	10:43:00 PM Monday
8/12/2019 22:44	0.7	189	10:44:00 PM Monday
8/12/2019 22:45	0.7	192	10:45:00 PM Monday
8/12/2019 22:46	0.9	192	10:46:00 PM Monday
8/12/2019 22:47	1.1	194	10:47:00 PM Monday
8/12/2019 22:48	1	196	10:48:00 PM Monday
8/12/2019 22:49	1.1	198	10:49:00 PM Monday
8/12/2019 22:50	1.3	200	10:50:00 PM Monday
8/12/2019 22:51	1.5	201	10:51:00 PM Monday
8/12/2019 22:52	1.2	212	10:52:00 PM Monday
8/12/2019 22:53	1.2	223	10:53:00 PM Monday
8/12/2019 22:54	0.9	235	10:54:00 PM Monday
8/12/2019 22:55	1	232	10:55:00 PM Monday
8/12/2019 22:56	1.4	229	10:56:00 PM Monday
8/12/2019 22:57	1	238	10:57:00 PM Monday
8/12/2019 22:58	1	218	10:58:00 PM Monday
8/12/2019 22:59	1.4	202	10:59:00 PM Monday
8/12/2019 23:00	1.4	201	11:00:00 PM Monday
8/12/2019 23:01	1.5	200	11:01:00 PM Monday
8/12/2019 23:02	1.7	176	11:02:00 PM Monday
8/12/2019 23:03	1.7	180	11:03:00 PM Monday
8/12/2019 23:04	1.9	175	11:04:00 PM Monday
8/12/2019 23:05	1.6	172	11:05:00 PM Monday
8/12/2019 23:06	1.4	172	11:06:00 PM Monday
8/12/2019 23:07	1.2	173	11:07:00 PM Monday
8/12/2019 23:08	1.4	176	11:08:00 PM Monday
8/12/2019 23:09	1.5	188	11:09:00 PM Monday
8/12/2019 23:10	1.4	209	11:10:00 PM Monday
8/12/2019 23:11	1.6	217	11:11:00 PM Monday
8/12/2019 23:12	1.7	223	11:12:00 PM Monday
8/12/2019 23:13	1.9	215	11:13:00 PM Monday
8/12/2019 23:14	1.8	213	11:14:00 PM Monday
8/12/2019 23:15	1.3	217	11:15:00 PM Monday
8/12/2019 23:16	1.1	227	11:16:00 PM Monday
8/12/2019 23:17	0.9	236	11:17:00 PM Monday
8/12/2019 23:18	1	262	11:18:00 PM Monday
8/12/2019 23:19	1.5	261	11:19:00 PM Monday
8/12/2019 23:20	1	246	11:20:00 PM Monday
8/12/2019 23:21	1.1	237	11:21:00 PM Monday
8/12/2019 23:22	0.8	230	11:22:00 PM Monday
8/12/2019 23:23	1.3	219	11:23:00 PM Monday
8/12/2019 23:24	0.9	234	11:24:00 PM Monday
8/12/2019 23:25	0.8	250	11:25:00 PM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/12/2019 23:26	1.3	239	11:26:00 PM Monday
8/12/2019 23:27	1.6	232	11:27:00 PM Monday
8/12/2019 23:28	1.7	235	11:28:00 PM Monday
8/12/2019 23:29	1.4	228	11:29:00 PM Monday
8/12/2019 23:30	1	220	11:30:00 PM Monday
8/12/2019 23:31	1.8	230	11:31:00 PM Monday
8/12/2019 23:32	1.5	236	11:32:00 PM Monday
8/12/2019 23:33	2.2	231	11:33:00 PM Monday
8/12/2019 23:34	1.8	220	11:34:00 PM Monday
8/12/2019 23:35	1.1	221	11:35:00 PM Monday
8/12/2019 23:36	0.9	235	11:36:00 PM Monday
8/12/2019 23:37	1.3	248	11:37:00 PM Monday
8/12/2019 23:38	1.1	242	11:38:00 PM Monday
8/12/2019 23:39	1.3	259	11:39:00 PM Monday
8/12/2019 23:40	2	252	11:40:00 PM Monday
8/12/2019 23:41	1.5	238	11:41:00 PM Monday
8/12/2019 23:42	1.4	229	11:42:00 PM Monday
8/12/2019 23:43	1.8	231	11:43:00 PM Monday
8/12/2019 23:44	2.2	216	11:44:00 PM Monday
8/12/2019 23:45	1.8	208	11:45:00 PM Monday
8/12/2019 23:46	2.1	218	11:46:00 PM Monday
8/12/2019 23:47	1.6	209	11:47:00 PM Monday
8/12/2019 23:48	1.2	207	11:48:00 PM Monday
8/12/2019 23:49	1.6	209	11:49:00 PM Monday
8/12/2019 23:50	1.8	215	11:50:00 PM Monday
8/12/2019 23:51	1	220	11:51:00 PM Monday
8/12/2019 23:52	1.3	231	11:52:00 PM Monday
8/12/2019 23:53	1	239	11:53:00 PM Monday
8/12/2019 23:54	1.3	233	11:54:00 PM Monday
8/12/2019 23:55	1.4	236	11:55:00 PM Monday
8/12/2019 23:56	1.4	225	11:56:00 PM Monday
8/12/2019 23:57	0.9	222	11:57:00 PM Monday
8/12/2019 23:58	1	232	11:58:00 PM Monday
8/12/2019 23:59	0.9	252	11:59:00 PM Monday
8/13/2019 0:00	0.7	264	12:00:00 AM Tuesday
8/13/2019 0:01	0.6	269	12:01:00 AM Tuesday
8/13/2019 0:02	0.8	266	12:02:00 AM Tuesday
8/13/2019 0:03	1.4	248	12:03:00 AM Tuesday
8/13/2019 0:04	1.4	232	12:04:00 AM Tuesday
8/13/2019 0:05	1.1	236	12:05:00 AM Tuesday
8/13/2019 0:06	1.8	224	12:06:00 AM Tuesday
8/13/2019 0:07	1.5	221	12:07:00 AM Tuesday
8/13/2019 0:08	1.9	236	12:08:00 AM Tuesday
8/13/2019 0:09	1.2	244	12:09:00 AM Tuesday
8/13/2019 0:10	0.9	236	12:10:00 AM Tuesday
8/13/2019 0:11	0.6	242	12:11:00 AM Tuesday
8/13/2019 0:12	0.9	253	12:12:00 AM Tuesday
8/13/2019 0:13	0.8	250	12:13:00 AM Tuesday
8/13/2019 0:14	1.5	252	12:14:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/13/2019 0:15	0.9	250	12:15:00 AM Tuesday
8/13/2019 0:16	1.7	242	12:16:00 AM Tuesday
8/13/2019 0:17	1.4	224	12:17:00 AM Tuesday
8/13/2019 0:18	2.2	219	12:18:00 AM Tuesday
8/13/2019 0:19	2	229	12:19:00 AM Tuesday
8/13/2019 0:20	1.3	235	12:20:00 AM Tuesday
8/13/2019 0:21	1.6	238	12:21:00 AM Tuesday
8/13/2019 0:22	1.7	242	12:22:00 AM Tuesday
8/13/2019 0:23	1.8	241	12:23:00 AM Tuesday
8/13/2019 0:24	1.2	221	12:24:00 AM Tuesday
8/13/2019 0:25	1.4	205	12:25:00 AM Tuesday
8/13/2019 0:26	1.9	210	12:26:00 AM Tuesday
8/13/2019 0:27	1.4	234	12:27:00 AM Tuesday
8/13/2019 0:28	1	234	12:28:00 AM Tuesday
8/13/2019 0:29	1.5	237	12:29:00 AM Tuesday
8/13/2019 0:30	1.9	234	12:30:00 AM Tuesday
8/13/2019 0:31	1.9	234	12:31:00 AM Tuesday
8/13/2019 0:32	1.1	222	12:32:00 AM Tuesday
8/13/2019 0:33	1.9	223	12:33:00 AM Tuesday
8/13/2019 0:34	1.9	222	12:34:00 AM Tuesday
8/13/2019 0:35	1.6	226	12:35:00 AM Tuesday
8/13/2019 0:36	1.7	219	12:36:00 AM Tuesday
8/13/2019 0:37	2.2	206	12:37:00 AM Tuesday
8/13/2019 0:38	1.6	194	12:38:00 AM Tuesday
8/13/2019 0:39	1.6	186	12:39:00 AM Tuesday
8/13/2019 0:40	2.1	185	12:40:00 AM Tuesday
8/13/2019 0:41	1.3	197	12:41:00 AM Tuesday
8/13/2019 0:42	1.2	202	12:42:00 AM Tuesday
8/13/2019 0:43	1.8	210	12:43:00 AM Tuesday
8/13/2019 0:44	1.3	211	12:44:00 AM Tuesday
8/13/2019 0:45	1.2	206	12:45:00 AM Tuesday
8/13/2019 0:46	1.4	201	12:46:00 AM Tuesday
8/13/2019 0:47	1.7	200	12:47:00 AM Tuesday
8/13/2019 0:48	1.3	203	12:48:00 AM Tuesday
8/13/2019 0:49	0.8	210	12:49:00 AM Tuesday
8/13/2019 0:50	1.6	217	12:50:00 AM Tuesday
8/13/2019 0:51	0.8	217	12:51:00 AM Tuesday
8/13/2019 0:52	1.6	217	12:52:00 AM Tuesday
8/13/2019 0:53	1.1	217	12:53:00 AM Tuesday
8/13/2019 0:54	1.2	217	12:54:00 AM Tuesday
8/13/2019 0:55	0.9	217	12:55:00 AM Tuesday
8/13/2019 0:56	0.7	222	12:56:00 AM Tuesday
8/13/2019 0:57	0.6	227	12:57:00 AM Tuesday
8/13/2019 0:58	1.5	231	12:58:00 AM Tuesday
8/13/2019 0:59	1.1	229	12:59:00 AM Tuesday
8/13/2019 1:00	0.9	226	1:00:00 AM Tuesday
8/13/2019 1:01	0.8	218	1:01:00 AM Tuesday
8/13/2019 1:02	1.2	210	1:02:00 AM Tuesday
8/13/2019 1:03	1.5	202	1:03:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/13/2019 1:04	1.5	201	1:04:00 AM Tuesday
8/13/2019 1:05	1.5	195	1:05:00 AM Tuesday
8/13/2019 1:06	0.8	203	1:06:00 AM Tuesday
8/13/2019 1:07	0.8	214	1:07:00 AM Tuesday
8/13/2019 1:08	1.2	218	1:08:00 AM Tuesday
8/13/2019 1:09	1	216	1:09:00 AM Tuesday
8/13/2019 1:10	1.5	218	1:10:00 AM Tuesday
8/13/2019 1:11	1.7	205	1:11:00 AM Tuesday
8/13/2019 1:12	1.4	191	1:12:00 AM Tuesday
8/13/2019 1:13	1.2	206	1:13:00 AM Tuesday
8/13/2019 1:14	1.2	199	1:14:00 AM Tuesday
8/13/2019 1:15	1.8	193	1:15:00 AM Tuesday
8/13/2019 1:16	1.6	188	1:16:00 AM Tuesday
8/13/2019 1:17	1.2	183	1:17:00 AM Tuesday
8/13/2019 1:18	1.6	165	1:18:00 AM Tuesday
8/13/2019 1:19	2.2	173	1:19:00 AM Tuesday
8/13/2019 1:20	1.5	181	1:20:00 AM Tuesday
8/13/2019 1:21	1	197	1:21:00 AM Tuesday
8/13/2019 1:22	1.1	213	1:22:00 AM Tuesday
8/13/2019 1:23	1	216	1:23:00 AM Tuesday
8/13/2019 1:24	1.6	221	1:24:00 AM Tuesday
8/13/2019 1:25	1.2	222	1:25:00 AM Tuesday
8/13/2019 1:26	0.9	213	1:26:00 AM Tuesday
8/13/2019 1:27	1.7	205	1:27:00 AM Tuesday
8/13/2019 1:28	1.6	200	1:28:00 AM Tuesday
8/13/2019 1:29	1.1	209	1:29:00 AM Tuesday
8/13/2019 1:30	1	210	1:30:00 AM Tuesday
8/13/2019 1:31	1	212	1:31:00 AM Tuesday
8/13/2019 1:32	1	215	1:32:00 AM Tuesday
8/13/2019 1:33	0.7	229	1:33:00 AM Tuesday
8/13/2019 1:34	0.6	230	1:34:00 AM Tuesday
8/13/2019 1:36	0.6	259	1:36:00 AM Tuesday
8/13/2019 1:41	1.1	269	1:41:00 AM Tuesday
8/13/2019 1:42	0.7	266	1:42:00 AM Tuesday
8/13/2019 1:43	0.5	269	1:43:00 AM Tuesday
8/13/2019 1:44	0.5	270	1:44:00 AM Tuesday
8/13/2019 1:45	0.6	262	1:45:00 AM Tuesday
8/13/2019 1:46	0.5	269	1:46:00 AM Tuesday
8/13/2019 2:24	0.5	261	2:24:00 AM Tuesday
8/13/2019 2:31	0.9	258	2:31:00 AM Tuesday
8/13/2019 2:32	1.1	245	2:32:00 AM Tuesday
8/13/2019 2:33	0.5	245	2:33:00 AM Tuesday
8/13/2019 2:35	0.7	251	2:35:00 AM Tuesday
8/13/2019 2:36	0.6	256	2:36:00 AM Tuesday
8/13/2019 2:37	0.8	251	2:37:00 AM Tuesday
8/13/2019 2:38	1.3	239	2:38:00 AM Tuesday
8/13/2019 2:39	0.9	227	2:39:00 AM Tuesday
8/13/2019 2:40	1.1	231	2:40:00 AM Tuesday
8/13/2019 2:41	0.9	238	2:41:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/13/2019 2:42	1.2	243	2:42:00 AM Tuesday
8/13/2019 2:43	0.8	255	2:43:00 AM Tuesday
8/13/2019 2:44	0.5	261	2:44:00 AM Tuesday
8/13/2019 2:45	0.5	247	2:45:00 AM Tuesday
8/13/2019 2:46	0.6	245	2:46:00 AM Tuesday
8/13/2019 2:47	0.7	253	2:47:00 AM Tuesday
8/13/2019 2:48	0.7	251	2:48:00 AM Tuesday
8/13/2019 2:49	0.6	253	2:49:00 AM Tuesday
8/13/2019 2:50	0.6	259	2:50:00 AM Tuesday
8/13/2019 2:53	0.6	269	2:53:00 AM Tuesday
8/13/2019 3:08	0.6	267	3:08:00 AM Tuesday
8/13/2019 3:09	0.7	264	3:09:00 AM Tuesday
8/13/2019 3:10	0.6	259	3:10:00 AM Tuesday
8/13/2019 3:11	0.8	234	3:11:00 AM Tuesday
8/13/2019 3:12	0.5	234	3:12:00 AM Tuesday
8/13/2019 3:13	0.9	248	3:13:00 AM Tuesday
8/13/2019 3:14	1.3	248	3:14:00 AM Tuesday
8/13/2019 3:15	0.9	246	3:15:00 AM Tuesday
8/13/2019 3:16	0.6	246	3:16:00 AM Tuesday
8/13/2019 3:17	0.6	253	3:17:00 AM Tuesday
8/13/2019 3:24	0.9	244	3:24:00 AM Tuesday
8/13/2019 3:25	0.9	228	3:25:00 AM Tuesday
8/13/2019 3:26	0.8	210	3:26:00 AM Tuesday
8/13/2019 3:27	0.7	193	3:27:00 AM Tuesday
8/13/2019 3:28	0.8	190	3:28:00 AM Tuesday
8/13/2019 3:29	1.1	192	3:29:00 AM Tuesday
8/13/2019 3:30	1.1	194	3:30:00 AM Tuesday
8/13/2019 3:31	0.8	196	3:31:00 AM Tuesday
8/13/2019 3:32	0.7	198	3:32:00 AM Tuesday
8/13/2019 3:33	1	194	3:33:00 AM Tuesday
8/13/2019 3:34	0.9	200	3:34:00 AM Tuesday
8/13/2019 3:35	0.9	200	3:35:00 AM Tuesday
8/13/2019 3:36	0.8	199	3:36:00 AM Tuesday
8/13/2019 3:37	0.8	205	3:37:00 AM Tuesday
8/13/2019 3:38	0.5	206	3:38:00 AM Tuesday
8/13/2019 3:43	0.5	178	3:43:00 AM Tuesday
8/13/2019 3:51	0.6	182	3:51:00 AM Tuesday
8/13/2019 3:52	0.6	180	3:52:00 AM Tuesday
8/13/2019 3:53	0.5	186	3:53:00 AM Tuesday
8/13/2019 3:57	0.5	178	3:57:00 AM Tuesday
8/13/2019 3:58	0.7	181	3:58:00 AM Tuesday
8/13/2019 3:59	0.9	191	3:59:00 AM Tuesday
8/13/2019 4:00	0.5	197	4:00:00 AM Tuesday
8/13/2019 4:02	0.5	199	4:02:00 AM Tuesday
8/13/2019 5:15	0.6	167	5:15:00 AM Tuesday
8/13/2019 5:16	0.5	167	5:16:00 AM Tuesday
8/13/2019 7:58	0.5	179	7:58:00 AM Tuesday
8/13/2019 8:13	0.5	174	8:13:00 AM Tuesday
8/13/2019 8:14	0.6	168	8:14:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/13/2019 8:15	0.7	167	8:15:00 AM Tuesday
8/13/2019 8:16	0.7	166	8:16:00 AM Tuesday
8/13/2019 8:17	0.6	166	8:17:00 AM Tuesday
8/13/2019 8:18	0.5	166	8:18:00 AM Tuesday
8/13/2019 8:20	0.6	174	8:20:00 AM Tuesday
8/13/2019 8:21	0.9	176	8:21:00 AM Tuesday
8/13/2019 8:22	1	183	8:22:00 AM Tuesday
8/13/2019 8:23	1.1	190	8:23:00 AM Tuesday
8/13/2019 8:24	1.2	201	8:24:00 AM Tuesday
8/13/2019 8:25	1.8	210	8:25:00 AM Tuesday
8/13/2019 8:26	1.7	218	8:26:00 AM Tuesday
8/13/2019 8:27	1.1	217	8:27:00 AM Tuesday
8/13/2019 8:28	0.8	217	8:28:00 AM Tuesday
8/13/2019 8:29	0.6	209	8:29:00 AM Tuesday
8/13/2019 8:30	0.5	198	8:30:00 AM Tuesday
8/13/2019 8:32	0.5	186	8:32:00 AM Tuesday
8/13/2019 8:33	0.5	184	8:33:00 AM Tuesday
8/13/2019 8:34	0.6	184	8:34:00 AM Tuesday
8/13/2019 8:35	0.6	190	8:35:00 AM Tuesday
8/13/2019 8:36	0.5	195	8:36:00 AM Tuesday
8/13/2019 8:37	0.5	193	8:37:00 AM Tuesday
8/13/2019 8:38	0.6	191	8:38:00 AM Tuesday
8/13/2019 8:39	0.6	189	8:39:00 AM Tuesday
8/13/2019 8:40	0.6	187	8:40:00 AM Tuesday
8/13/2019 8:41	0.5	185	8:41:00 AM Tuesday
8/13/2019 8:42	0.5	185	8:42:00 AM Tuesday
8/13/2019 8:53	0.5	188	8:53:00 AM Tuesday
8/13/2019 8:54	0.6	200	8:54:00 AM Tuesday
8/13/2019 8:55	1	209	8:55:00 AM Tuesday
8/13/2019 8:56	1.2	218	8:56:00 AM Tuesday
8/13/2019 8:57	1.3	227	8:57:00 AM Tuesday
8/13/2019 8:58	1.1	236	8:58:00 AM Tuesday
8/13/2019 8:59	1.1	225	8:59:00 AM Tuesday
8/13/2019 9:00	0.8	214	9:00:00 AM Tuesday
8/13/2019 9:01	0.9	204	9:01:00 AM Tuesday
8/13/2019 9:02	1	194	9:02:00 AM Tuesday
8/13/2019 9:03	0.7	184	9:03:00 AM Tuesday
8/13/2019 9:04	0.6	182	9:04:00 AM Tuesday
8/13/2019 9:05	0.6	183	9:05:00 AM Tuesday
8/13/2019 9:06	0.7	186	9:06:00 AM Tuesday
8/13/2019 9:07	0.9	189	9:07:00 AM Tuesday
8/13/2019 9:08	0.8	192	9:08:00 AM Tuesday
8/13/2019 9:09	1.1	195	9:09:00 AM Tuesday
8/13/2019 9:10	0.9	198	9:10:00 AM Tuesday
8/13/2019 9:11	0.9	197	9:11:00 AM Tuesday
8/13/2019 9:12	0.7	201	9:12:00 AM Tuesday
8/13/2019 9:13	0.6	199	9:13:00 AM Tuesday
8/13/2019 9:14	0.7	198	9:14:00 AM Tuesday
8/13/2019 9:15	0.9	196	9:15:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/13/2019 9:16	0.8	195	9:16:00 AM Tuesday
8/13/2019 9:17	0.9	187	9:17:00 AM Tuesday
8/13/2019 9:18	0.8	190	9:18:00 AM Tuesday
8/13/2019 9:19	0.8	193	9:19:00 AM Tuesday
8/13/2019 9:20	0.8	197	9:20:00 AM Tuesday
8/13/2019 9:21	0.9	196	9:21:00 AM Tuesday
8/13/2019 9:22	0.8	199	9:22:00 AM Tuesday
8/13/2019 9:23	0.8	195	9:23:00 AM Tuesday
8/13/2019 9:24	1	191	9:24:00 AM Tuesday
8/13/2019 9:25	1.9	197	9:25:00 AM Tuesday
8/13/2019 9:26	1.4	207	9:26:00 AM Tuesday
8/13/2019 9:27	0.9	214	9:27:00 AM Tuesday
8/13/2019 9:28	1.1	224	9:28:00 AM Tuesday
8/13/2019 9:29	0.9	226	9:29:00 AM Tuesday
8/13/2019 9:30	0.9	217	9:30:00 AM Tuesday
8/13/2019 9:31	0.8	209	9:31:00 AM Tuesday
8/13/2019 9:32	0.7	204	9:32:00 AM Tuesday
8/13/2019 9:33	0.8	197	9:33:00 AM Tuesday
8/13/2019 9:34	0.7	207	9:34:00 AM Tuesday
8/13/2019 9:35	0.8	217	9:35:00 AM Tuesday
8/13/2019 9:36	0.9	223	9:36:00 AM Tuesday
8/13/2019 9:37	1	229	9:37:00 AM Tuesday
8/13/2019 9:38	1.1	224	9:38:00 AM Tuesday
8/13/2019 9:39	1.1	228	9:39:00 AM Tuesday
8/13/2019 9:40	0.7	232	9:40:00 AM Tuesday
8/13/2019 9:41	0.7	236	9:41:00 AM Tuesday
8/13/2019 9:42	0.6	247	9:42:00 AM Tuesday
8/13/2019 9:43	0.6	263	9:43:00 AM Tuesday
8/13/2019 9:44	0.7	260	9:44:00 AM Tuesday
8/13/2019 9:45	0.5	263	9:45:00 AM Tuesday
8/13/2019 9:46	0.5	261	9:46:00 AM Tuesday
8/13/2019 9:47	0.8	249	9:47:00 AM Tuesday
8/13/2019 9:48	0.6	256	9:48:00 AM Tuesday
8/13/2019 9:49	0.5	260	9:49:00 AM Tuesday
8/13/2019 9:50	0.5	254	9:50:00 AM Tuesday
8/13/2019 9:51	0.6	263	9:51:00 AM Tuesday
8/13/2019 9:53	0.8	260	9:53:00 AM Tuesday
8/13/2019 9:54	1.1	253	9:54:00 AM Tuesday
8/13/2019 9:55	0.8	249	9:55:00 AM Tuesday
8/13/2019 9:56	1	240	9:56:00 AM Tuesday
8/13/2019 9:57	1.1	237	9:57:00 AM Tuesday
8/13/2019 9:58	1	239	9:58:00 AM Tuesday
8/13/2019 9:59	0.8	236	9:59:00 AM Tuesday
8/13/2019 10:00	0.7	243	10:00:00 AM Tuesday
8/13/2019 10:01	0.6	255	10:01:00 AM Tuesday
8/13/2019 10:02	0.6	248	10:02:00 AM Tuesday
8/13/2019 10:03	0.9	244	10:03:00 AM Tuesday
8/13/2019 10:04	1	237	10:04:00 AM Tuesday
8/13/2019 10:05	0.9	217	10:05:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/13/2019 10:06	0.8	200	10:06:00 AM Tuesday
8/13/2019 10:07	0.8	202	10:07:00 AM Tuesday
8/13/2019 10:08	0.6	202	10:08:00 AM Tuesday
8/13/2019 10:09	1	206	10:09:00 AM Tuesday
8/13/2019 10:10	0.9	215	10:10:00 AM Tuesday
8/13/2019 10:11	0.9	210	10:11:00 AM Tuesday
8/13/2019 10:12	0.7	201	10:12:00 AM Tuesday
8/13/2019 10:13	0.6	211	10:13:00 AM Tuesday
8/13/2019 10:14	0.6	211	10:14:00 AM Tuesday
8/13/2019 10:15	0.8	225	10:15:00 AM Tuesday
8/13/2019 10:16	0.9	229	10:16:00 AM Tuesday
8/13/2019 10:17	0.7	235	10:17:00 AM Tuesday
8/13/2019 10:18	1.2	219	10:18:00 AM Tuesday
8/13/2019 10:19	1.5	223	10:19:00 AM Tuesday
8/13/2019 10:20	1	212	10:20:00 AM Tuesday
8/13/2019 10:21	1	218	10:21:00 AM Tuesday
8/13/2019 10:22	0.9	232	10:22:00 AM Tuesday
8/13/2019 10:23	0.8	248	10:23:00 AM Tuesday
8/13/2019 10:24	0.7	251	10:24:00 AM Tuesday
8/13/2019 10:26	0.8	266	10:26:00 AM Tuesday
8/13/2019 10:27	0.8	245	10:27:00 AM Tuesday
8/13/2019 10:28	0.5	250	10:28:00 AM Tuesday
8/13/2019 10:30	0.6	237	10:30:00 AM Tuesday
8/13/2019 11:34	0.5	255	11:34:00 AM Tuesday
8/13/2019 12:09	0.5	259	12:09:00 PM Tuesday
8/13/2019 12:10	0.6	257	12:10:00 PM Tuesday
8/13/2019 12:11	0.6	260	12:11:00 PM Tuesday
8/13/2019 12:12	0.5	266	12:12:00 PM Tuesday
8/13/2019 17:41	1	175	5:41:00 PM Tuesday
8/13/2019 17:42	0.9	187	5:42:00 PM Tuesday
8/13/2019 17:43	0.7	195	5:43:00 PM Tuesday
8/13/2019 17:44	0.9	203	5:44:00 PM Tuesday
8/13/2019 17:45	0.6	204	5:45:00 PM Tuesday
8/13/2019 17:46	0.9	204	5:46:00 PM Tuesday
8/13/2019 17:50	0.5	249	5:50:00 PM Tuesday
8/13/2019 17:51	1.1	252	5:51:00 PM Tuesday
8/13/2019 17:52	0.8	238	5:52:00 PM Tuesday
8/13/2019 17:53	0.8	221	5:53:00 PM Tuesday
8/13/2019 17:54	1.2	208	5:54:00 PM Tuesday
8/13/2019 17:55	0.6	214	5:55:00 PM Tuesday
8/13/2019 17:56	0.5	228	5:56:00 PM Tuesday
8/13/2019 17:57	0.7	243	5:57:00 PM Tuesday
8/13/2019 17:58	0.9	247	5:58:00 PM Tuesday
8/13/2019 17:59	0.9	247	5:59:00 PM Tuesday
8/13/2019 18:05	1	243	6:05:00 PM Tuesday
8/13/2019 18:06	1.3	238	6:06:00 PM Tuesday
8/13/2019 18:07	0.5	239	6:07:00 PM Tuesday
8/13/2019 18:09	0.7	248	6:09:00 PM Tuesday
8/13/2019 18:10	0.9	245	6:10:00 PM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/13/2019 18:11	1.1	243	6:11:00 PM Tuesday
8/13/2019 18:12	1.4	233	6:12:00 PM Tuesday
8/13/2019 18:13	1.3	225	6:13:00 PM Tuesday
8/13/2019 18:14	0.8	220	6:14:00 PM Tuesday
8/13/2019 18:15	0.7	216	6:15:00 PM Tuesday
8/13/2019 18:16	0.8	213	6:16:00 PM Tuesday
8/13/2019 18:17	0.7	223	6:17:00 PM Tuesday
8/13/2019 18:18	1	219	6:18:00 PM Tuesday
8/13/2019 18:19	1.1	212	6:19:00 PM Tuesday
8/13/2019 18:20	1	211	6:20:00 PM Tuesday
8/13/2019 18:21	0.8	221	6:21:00 PM Tuesday
8/13/2019 18:22	0.6	216	6:22:00 PM Tuesday
8/13/2019 18:23	0.6	226	6:23:00 PM Tuesday
8/13/2019 18:24	1.1	228	6:24:00 PM Tuesday
8/13/2019 18:25	1.1	232	6:25:00 PM Tuesday
8/13/2019 18:26	0.8	228	6:26:00 PM Tuesday
8/13/2019 18:27	1.1	223	6:27:00 PM Tuesday
8/13/2019 18:28	1.4	219	6:28:00 PM Tuesday
8/13/2019 18:29	1.4	219	6:29:00 PM Tuesday
8/13/2019 18:30	0.7	228	6:30:00 PM Tuesday
8/13/2019 18:31	0.8	230	6:31:00 PM Tuesday
8/13/2019 18:32	0.9	232	6:32:00 PM Tuesday
8/13/2019 18:33	0.7	233	6:33:00 PM Tuesday
8/13/2019 18:34	0.7	237	6:34:00 PM Tuesday
8/13/2019 18:35	0.7	223	6:35:00 PM Tuesday
8/13/2019 18:36	0.5	234	6:36:00 PM Tuesday
8/13/2019 19:02	0.9	256	7:02:00 PM Tuesday
8/13/2019 19:03	1	243	7:03:00 PM Tuesday
8/13/2019 19:04	1.2	231	7:04:00 PM Tuesday
8/13/2019 19:05	1.2	213	7:05:00 PM Tuesday
8/13/2019 19:06	1.4	210	7:06:00 PM Tuesday
8/13/2019 19:07	1.3	209	7:07:00 PM Tuesday
8/13/2019 19:08	0.7	222	7:08:00 PM Tuesday
8/13/2019 19:09	0.5	234	7:09:00 PM Tuesday
8/17/2019 13:37	0.5	206	1:37:00 PM Saturday
8/17/2019 13:38	0.5	198	1:38:00 PM Saturday
8/17/2019 13:40	0.5	235	1:40:00 PM Saturday
8/17/2019 13:42	0.5	231	1:42:00 PM Saturday
8/17/2019 13:43	0.6	243	1:43:00 PM Saturday
8/17/2019 13:44	0.5	250	1:44:00 PM Saturday
8/17/2019 13:45	0.6	243	1:45:00 PM Saturday
8/17/2019 13:46	0.5	240	1:46:00 PM Saturday
8/17/2019 13:54	0.5	250	1:54:00 PM Saturday
8/17/2019 13:55	0.7	239	1:55:00 PM Saturday
8/17/2019 13:56	0.6	217	1:56:00 PM Saturday
8/17/2019 13:57	0.5	227	1:57:00 PM Saturday
8/17/2019 13:58	0.6	211	1:58:00 PM Saturday
8/17/2019 13:59	0.9	212	1:59:00 PM Saturday
8/17/2019 14:00	0.8	208	2:00:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/17/2019 14:01	0.9	223	2:01:00 PM Saturday
8/17/2019 14:02	0.9	213	2:02:00 PM Saturday
8/17/2019 14:03	0.6	231	2:03:00 PM Saturday
8/17/2019 14:04	0.8	227	2:04:00 PM Saturday
8/17/2019 14:05	0.6	243	2:05:00 PM Saturday
8/17/2019 14:06	0.5	249	2:06:00 PM Saturday
8/17/2019 14:07	0.5	239	2:07:00 PM Saturday
8/17/2019 14:08	0.6	230	2:08:00 PM Saturday
8/17/2019 14:09	0.9	232	2:09:00 PM Saturday
8/17/2019 14:10	1.2	234	2:10:00 PM Saturday
8/17/2019 14:11	1	214	2:11:00 PM Saturday
8/17/2019 14:12	0.5	234	2:12:00 PM Saturday
8/17/2019 14:13	1	229	2:13:00 PM Saturday
8/17/2019 14:14	0.5	243	2:14:00 PM Saturday
8/17/2019 14:15	0.6	219	2:15:00 PM Saturday
8/17/2019 14:16	0.7	221	2:16:00 PM Saturday
8/17/2019 14:17	0.5	207	2:17:00 PM Saturday
8/17/2019 14:18	0.7	205	2:18:00 PM Saturday
8/17/2019 14:19	0.8	191	2:19:00 PM Saturday
8/17/2019 14:20	0.9	197	2:20:00 PM Saturday
8/17/2019 14:21	0.8	202	2:21:00 PM Saturday
8/17/2019 14:22	0.5	217	2:22:00 PM Saturday
8/17/2019 14:23	0.6	231	2:23:00 PM Saturday
8/17/2019 14:24	0.8	239	2:24:00 PM Saturday
8/17/2019 14:25	0.9	239	2:25:00 PM Saturday
8/17/2019 14:26	0.8	232	2:26:00 PM Saturday
8/17/2019 14:27	0.8	231	2:27:00 PM Saturday
8/17/2019 14:28	0.6	214	2:28:00 PM Saturday
8/17/2019 14:29	0.9	211	2:29:00 PM Saturday
8/17/2019 14:30	0.9	217	2:30:00 PM Saturday
8/17/2019 14:31	1	224	2:31:00 PM Saturday
8/17/2019 14:32	0.5	227	2:32:00 PM Saturday
8/17/2019 14:33	0.5	242	2:33:00 PM Saturday
8/17/2019 14:39	0.9	265	2:39:00 PM Saturday
8/17/2019 14:40	0.6	265	2:40:00 PM Saturday
8/17/2019 14:46	0.5	257	2:46:00 PM Saturday
8/17/2019 14:47	0.6	243	2:47:00 PM Saturday
8/17/2019 14:48	0.7	244	2:48:00 PM Saturday
8/17/2019 14:50	0.5	216	2:50:00 PM Saturday
8/17/2019 14:51	0.7	213	2:51:00 PM Saturday
8/17/2019 14:53	0.6	206	2:53:00 PM Saturday
8/17/2019 14:54	0.5	218	2:54:00 PM Saturday
8/17/2019 18:38	0.5	269	6:38:00 PM Saturday
8/17/2019 18:42	0.5	221	6:42:00 PM Saturday
8/17/2019 21:32	0.6	232	9:32:00 PM Saturday
8/17/2019 21:33	0.7	216	9:33:00 PM Saturday
8/17/2019 21:34	0.7	208	9:34:00 PM Saturday
8/17/2019 21:35	0.6	200	9:35:00 PM Saturday
8/17/2019 21:36	0.7	197	9:36:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/17/2019 21:37	0.6	194	9:37:00 PM Saturday
8/17/2019 21:38	0.5	197	9:38:00 PM Saturday
8/17/2019 21:39	0.5	197	9:39:00 PM Saturday
8/17/2019 21:40	0.6	199	9:40:00 PM Saturday
8/17/2019 21:41	0.8	204	9:41:00 PM Saturday
8/17/2019 21:42	0.8	221	9:42:00 PM Saturday
8/17/2019 21:43	0.7	225	9:43:00 PM Saturday
8/17/2019 21:44	0.5	222	9:44:00 PM Saturday
8/17/2019 21:45	0.5	232	9:45:00 PM Saturday
8/17/2019 21:46	0.5	240	9:46:00 PM Saturday
8/17/2019 21:47	0.5	239	9:47:00 PM Saturday
8/17/2019 21:48	0.5	241	9:48:00 PM Saturday
8/17/2019 21:49	0.5	249	9:49:00 PM Saturday
8/17/2019 21:50	0.7	239	9:50:00 PM Saturday
8/17/2019 21:51	0.8	249	9:51:00 PM Saturday
8/17/2019 21:52	0.7	236	9:52:00 PM Saturday
8/17/2019 21:53	0.8	222	9:53:00 PM Saturday
8/17/2019 21:54	0.7	209	9:54:00 PM Saturday
8/17/2019 21:55	0.8	204	9:55:00 PM Saturday
8/17/2019 21:56	0.6	183	9:56:00 PM Saturday
8/17/2019 21:57	0.6	188	9:57:00 PM Saturday
8/17/2019 21:58	0.6	192	9:58:00 PM Saturday
8/17/2019 21:59	0.6	197	9:59:00 PM Saturday
8/17/2019 22:00	0.7	195	10:00:00 PM Saturday
8/17/2019 22:01	0.8	207	10:01:00 PM Saturday
8/17/2019 22:02	0.9	207	10:02:00 PM Saturday
8/17/2019 22:03	0.9	205	10:03:00 PM Saturday
8/17/2019 22:04	0.8	198	10:04:00 PM Saturday
8/17/2019 22:05	0.7	197	10:05:00 PM Saturday
8/17/2019 22:06	0.8	194	10:06:00 PM Saturday
8/17/2019 22:07	0.9	200	10:07:00 PM Saturday
8/17/2019 22:08	0.9	210	10:08:00 PM Saturday
8/17/2019 22:09	0.8	215	10:09:00 PM Saturday
8/17/2019 22:10	0.9	219	10:10:00 PM Saturday
8/17/2019 22:11	1	215	10:11:00 PM Saturday
8/17/2019 22:12	1.2	212	10:12:00 PM Saturday
8/17/2019 22:13	0.9	213	10:13:00 PM Saturday
8/17/2019 22:14	0.9	224	10:14:00 PM Saturday
8/17/2019 22:15	0.8	220	10:15:00 PM Saturday
8/17/2019 22:16	0.7	211	10:16:00 PM Saturday
8/17/2019 22:17	0.7	213	10:17:00 PM Saturday
8/17/2019 22:18	0.7	203	10:18:00 PM Saturday
8/17/2019 22:19	0.6	193	10:19:00 PM Saturday
8/17/2019 22:20	0.5	198	10:20:00 PM Saturday
8/17/2019 22:21	0.5	203	10:21:00 PM Saturday
8/17/2019 22:22	0.5	197	10:22:00 PM Saturday
8/17/2019 22:23	0.6	202	10:23:00 PM Saturday
8/17/2019 22:24	0.5	204	10:24:00 PM Saturday
8/17/2019 22:25	0.5	206	10:25:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
8/17/2019 22:26	0.5	197	10:26:00 PM Saturday
8/17/2019 22:27	0.5	207	10:27:00 PM Saturday
8/17/2019 22:28	0.6	197	10:28:00 PM Saturday
8/17/2019 22:29	0.6	196	10:29:00 PM Saturday
8/17/2019 22:30	0.6	197	10:30:00 PM Saturday
8/17/2019 22:31	0.7	202	10:31:00 PM Saturday
8/17/2019 22:32	0.8	189	10:32:00 PM Saturday
8/17/2019 22:33	0.7	191	10:33:00 PM Saturday
8/17/2019 22:34	0.7	196	10:34:00 PM Saturday
8/17/2019 22:35	0.8	202	10:35:00 PM Saturday
8/17/2019 22:36	0.7	203	10:36:00 PM Saturday
8/17/2019 22:37	0.6	200	10:37:00 PM Saturday
8/17/2019 22:38	0.5	196	10:38:00 PM Saturday
8/17/2019 22:39	0.6	192	10:39:00 PM Saturday
8/17/2019 22:40	0.6	180	10:40:00 PM Saturday
8/17/2019 22:41	0.6	181	10:41:00 PM Saturday
8/17/2019 22:42	0.7	193	10:42:00 PM Saturday
8/17/2019 22:43	0.6	202	10:43:00 PM Saturday
8/17/2019 22:44	0.6	200	10:44:00 PM Saturday
8/17/2019 22:45	0.8	213	10:45:00 PM Saturday
8/17/2019 22:46	0.6	213	10:46:00 PM Saturday
8/17/2019 22:47	0.5	204	10:47:00 PM Saturday
8/17/2019 22:55	0.5	202	10:55:00 PM Saturday
8/17/2019 22:56	0.5	210	10:56:00 PM Saturday
8/17/2019 22:57	0.5	208	10:57:00 PM Saturday
8/17/2019 22:58	0.5	204	10:58:00 PM Saturday
8/17/2019 23:15	0.5	198	11:15:00 PM Saturday
8/17/2019 23:16	0.5	204	11:16:00 PM Saturday
8/17/2019 23:21	0.5	204	11:21:00 PM Saturday
8/17/2019 23:22	0.5	203	11:22:00 PM Saturday
8/17/2019 23:23	0.5	203	11:23:00 PM Saturday
8/17/2019 23:24	0.6	208	11:24:00 PM Saturday
8/17/2019 23:25	0.6	214	11:25:00 PM Saturday
8/17/2019 23:26	0.6	218	11:26:00 PM Saturday
8/17/2019 23:27	0.6	220	11:27:00 PM Saturday
8/17/2019 23:28	0.7	219	11:28:00 PM Saturday
8/17/2019 23:29	0.7	213	11:29:00 PM Saturday
8/17/2019 23:30	0.7	213	11:30:00 PM Saturday
8/17/2019 23:31	0.8	212	11:31:00 PM Saturday
8/17/2019 23:32	0.8	205	11:32:00 PM Saturday
8/17/2019 23:33	0.8	207	11:33:00 PM Saturday
8/17/2019 23:34	0.6	206	11:34:00 PM Saturday
8/17/2019 23:35	0.6	199	11:35:00 PM Saturday
8/17/2019 23:36	0.6	200	11:36:00 PM Saturday
8/17/2019 23:37	0.6	209	11:37:00 PM Saturday
8/17/2019 23:38	0.8	215	11:38:00 PM Saturday
8/17/2019 23:39	0.7	220	11:39:00 PM Saturday
8/17/2019 23:40	0.7	215	11:40:00 PM Saturday
8/17/2019 23:41	0.7	204	11:41:00 PM Saturday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
8/17/2019 23:42	0.8	199	11:42:00 PM	Saturday
8/17/2019 23:43	0.8	189	11:43:00 PM	Saturday
8/17/2019 23:44	0.8	184	11:44:00 PM	Saturday
8/17/2019 23:45	0.8	194	11:45:00 PM	Saturday
8/17/2019 23:46	0.8	205	11:46:00 PM	Saturday
8/17/2019 23:47	0.7	211	11:47:00 PM	Saturday
8/17/2019 23:48	0.6	231	11:48:00 PM	Saturday
8/17/2019 23:49	0.5	242	11:49:00 PM	Saturday
8/17/2019 23:50	0.5	240	11:50:00 PM	Saturday
8/17/2019 23:51	0.6	239	11:51:00 PM	Saturday
8/17/2019 23:52	0.6	234	11:52:00 PM	Saturday
8/17/2019 23:53	0.7	215	11:53:00 PM	Saturday
8/17/2019 23:54	0.8	204	11:54:00 PM	Saturday
8/17/2019 23:55	0.8	209	11:55:00 PM	Saturday
8/17/2019 23:56	0.7	212	11:56:00 PM	Saturday
8/17/2019 23:57	0.6	220	11:57:00 PM	Saturday
8/17/2019 23:58	0.5	231	11:58:00 PM	Saturday
8/17/2019 23:59	0.5	248	11:59:00 PM	Saturday
8/18/2019 0:52	0.5	194	12:52:00 AM	Sunday
8/18/2019 0:53	0.5	194	12:53:00 AM	Sunday
8/18/2019 0:54	0.5	194	12:54:00 AM	Sunday
8/18/2019 0:55	0.5	194	12:55:00 AM	Sunday
8/18/2019 0:56	0.5	194	12:56:00 AM	Sunday
8/18/2019 0:57	0.5	193	12:57:00 AM	Sunday
8/18/2019 0:58	0.5	192	12:58:00 AM	Sunday
8/21/2019 13:27	0.5	270	1:27:00 PM	Wednesda
8/22/2019 12:25	0.5	256	12:25:00 PM	Thursday
8/22/2019 12:26	0.5	239	12:26:00 PM	Thursday
8/22/2019 12:27	0.6	239	12:27:00 PM	Thursday
8/22/2019 13:17	0.5	257	1:17:00 PM	Thursday
8/22/2019 13:22	0.8	217	1:22:00 PM	Thursday
8/22/2019 13:23	0.8	211	1:23:00 PM	Thursday
8/22/2019 13:25	0.6	226	1:25:00 PM	Thursday
8/22/2019 13:36	0.5	244	1:36:00 PM	Thursday
8/22/2019 13:39	0.5	232	1:39:00 PM	Thursday
8/22/2019 13:41	0.5	212	1:41:00 PM	Thursday
8/27/2019 3:32	0.6	198	3:32:00 AM	Tuesday
8/27/2019 3:34	0.5	209	3:34:00 AM	Tuesday
8/27/2019 5:06	0.9	190	5:06:00 AM	Tuesday
8/27/2019 5:21	0.5	178	5:21:00 AM	Tuesday
8/27/2019 5:25	0.5	192	5:25:00 AM	Tuesday
8/27/2019 5:27	0.6	181	5:27:00 AM	Tuesday
8/27/2019 5:33	0.5	166	5:33:00 AM	Tuesday
8/27/2019 5:37	0.6	150	5:37:00 AM	Tuesday
8/27/2019 5:38	0.6	155	5:38:00 AM	Tuesday
8/27/2019 5:39	0.6	169	5:39:00 AM	Tuesday
8/27/2019 5:40	0.6	174	5:40:00 AM	Tuesday
8/27/2019 5:41	0.6	177	5:41:00 AM	Tuesday
8/27/2019 5:43	0.5	184	5:43:00 AM	Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
8/27/2019 5:44	0.5	173	5:44:00 AM Tuesday
8/27/2019 5:47	0.5	172	5:47:00 AM Tuesday
8/27/2019 5:50	0.5	195	5:50:00 AM Tuesday
8/27/2019 5:51	0.6	208	5:51:00 AM Tuesday
8/27/2019 5:52	0.9	221	5:52:00 AM Tuesday
8/27/2019 5:53	0.7	214	5:53:00 AM Tuesday
8/27/2019 5:54	0.5	209	5:54:00 AM Tuesday
8/27/2019 5:56	0.5	197	5:56:00 AM Tuesday
8/27/2019 5:57	0.8	173	5:57:00 AM Tuesday
8/27/2019 5:58	0.5	168	5:58:00 AM Tuesday
8/27/2019 5:59	0.5	172	5:59:00 AM Tuesday
8/27/2019 6:00	0.6	172	6:00:00 AM Tuesday
8/27/2019 6:01	0.5	180	6:01:00 AM Tuesday
8/27/2019 6:02	0.5	186	6:02:00 AM Tuesday
8/27/2019 6:06	0.8	163	6:06:00 AM Tuesday
8/27/2019 12:37	0.5	185	12:37:00 PM Tuesday
8/27/2019 13:24	0.5	177	1:24:00 PM Tuesday
8/27/2019 13:26	0.5	188	1:26:00 PM Tuesday
8/27/2019 13:27	0.6	203	1:27:00 PM Tuesday
8/27/2019 13:28	0.5	205	1:28:00 PM Tuesday
8/27/2019 13:29	0.5	209	1:29:00 PM Tuesday
8/27/2019 13:30	0.5	212	1:30:00 PM Tuesday
8/27/2019 13:33	0.5	215	1:33:00 PM Tuesday
8/27/2019 13:35	0.5	198	1:35:00 PM Tuesday
8/27/2019 13:36	0.5	187	1:36:00 PM Tuesday
8/27/2019 13:39	0.6	204	1:39:00 PM Tuesday
8/27/2019 13:40	0.5	201	1:40:00 PM Tuesday
8/27/2019 13:41	0.5	208	1:41:00 PM Tuesday
8/27/2019 13:42	0.6	195	1:42:00 PM Tuesday
8/27/2019 13:44	0.6	207	1:44:00 PM Tuesday
8/27/2019 13:45	0.6	219	1:45:00 PM Tuesday
8/27/2019 13:46	0.6	209	1:46:00 PM Tuesday
8/27/2019 13:47	0.6	209	1:47:00 PM Tuesday
8/27/2019 13:48	0.5	213	1:48:00 PM Tuesday
8/27/2019 13:49	0.5	184	1:49:00 PM Tuesday
8/27/2019 13:50	0.8	175	1:50:00 PM Tuesday
8/27/2019 13:51	0.6	176	1:51:00 PM Tuesday
8/27/2019 13:52	0.6	184	1:52:00 PM Tuesday
8/27/2019 13:53	0.7	174	1:53:00 PM Tuesday
8/27/2019 13:54	0.6	190	1:54:00 PM Tuesday
8/27/2019 13:55	0.5	199	1:55:00 PM Tuesday
8/27/2019 13:58	0.6	227	1:58:00 PM Tuesday
8/27/2019 13:59	0.5	222	1:59:00 PM Tuesday
8/27/2019 14:01	0.5	220	2:01:00 PM Tuesday
8/27/2019 14:02	0.6	201	2:02:00 PM Tuesday
8/27/2019 14:03	0.5	189	2:03:00 PM Tuesday
8/27/2019 14:05	0.6	185	2:05:00 PM Tuesday
8/27/2019 14:06	0.6	181	2:06:00 PM Tuesday
8/27/2019 14:07	0.5	176	2:07:00 PM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
8/27/2019 14:08	0.5	184	2:08:00 PM Tuesday
8/27/2019 14:10	0.7	191	2:10:00 PM Tuesday
8/27/2019 14:11	0.7	194	2:11:00 PM Tuesday
8/27/2019 14:12	0.5	204	2:12:00 PM Tuesday
8/27/2019 14:13	0.5	213	2:13:00 PM Tuesday
8/27/2019 14:14	0.5	210	2:14:00 PM Tuesday
8/27/2019 14:15	0.5	195	2:15:00 PM Tuesday
8/27/2019 14:21	0.6	236	2:21:00 PM Tuesday
8/27/2019 14:22	0.5	229	2:22:00 PM Tuesday
8/27/2019 14:23	0.6	233	2:23:00 PM Tuesday
8/27/2019 14:24	0.6	234	2:24:00 PM Tuesday
8/27/2019 14:25	0.6	228	2:25:00 PM Tuesday
8/27/2019 14:26	0.5	215	2:26:00 PM Tuesday
8/27/2019 14:27	0.6	215	2:27:00 PM Tuesday
8/27/2019 14:28	0.6	219	2:28:00 PM Tuesday
8/27/2019 14:29	0.5	206	2:29:00 PM Tuesday
8/27/2019 14:31	0.5	205	2:31:00 PM Tuesday
8/27/2019 14:32	0.5	210	2:32:00 PM Tuesday
8/27/2019 14:33	0.5	199	2:33:00 PM Tuesday
8/27/2019 14:34	0.5	194	2:34:00 PM Tuesday
8/27/2019 14:35	0.5	193	2:35:00 PM Tuesday
8/27/2019 14:36	0.5	189	2:36:00 PM Tuesday
8/27/2019 14:37	0.5	189	2:37:00 PM Tuesday
8/27/2019 14:38	0.5	189	2:38:00 PM Tuesday
8/27/2019 14:39	0.5	181	2:39:00 PM Tuesday
8/27/2019 14:41	0.5	186	2:41:00 PM Tuesday
8/27/2019 14:43	0.5	168	2:43:00 PM Tuesday
8/27/2019 14:44	0.5	170	2:44:00 PM Tuesday
8/27/2019 14:46	0.6	169	2:46:00 PM Tuesday
8/27/2019 14:47	0.5	191	2:47:00 PM Tuesday
8/27/2019 14:54	0.5	160	2:54:00 PM Tuesday
8/27/2019 14:55	0.5	159	2:55:00 PM Tuesday
8/27/2019 14:57	0.5	167	2:57:00 PM Tuesday
8/27/2019 14:58	0.5	171	2:58:00 PM Tuesday
8/27/2019 15:01	0.5	184	3:01:00 PM Tuesday
8/27/2019 15:02	0.5	198	3:02:00 PM Tuesday
8/27/2019 15:03	0.5	199	3:03:00 PM Tuesday
8/27/2019 15:04	0.5	193	3:04:00 PM Tuesday
8/27/2019 15:05	0.5	204	3:05:00 PM Tuesday
8/27/2019 15:06	0.7	210	3:06:00 PM Tuesday
8/27/2019 15:07	0.7	190	3:07:00 PM Tuesday
8/27/2019 15:08	0.5	186	3:08:00 PM Tuesday
8/27/2019 15:09	0.6	183	3:09:00 PM Tuesday
8/27/2019 15:10	0.7	192	3:10:00 PM Tuesday
8/27/2019 15:11	0.7	202	3:11:00 PM Tuesday
8/27/2019 15:13	0.5	222	3:13:00 PM Tuesday
8/27/2019 15:14	0.7	232	3:14:00 PM Tuesday
8/27/2019 15:15	0.5	213	3:15:00 PM Tuesday
8/27/2019 15:16	0.5	191	3:16:00 PM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert	
8/27/2019 15:17	0.5	193	3:17:00 PM	Tuesday
8/27/2019 15:18	0.5	173	3:18:00 PM	Tuesday
8/27/2019 15:20	0.5	177	3:20:00 PM	Tuesday
8/27/2019 15:21	0.5	174	3:21:00 PM	Tuesday
8/27/2019 15:22	0.7	177	3:22:00 PM	Tuesday
8/27/2019 15:24	0.8	211	3:24:00 PM	Tuesday
8/27/2019 15:29	0.5	188	3:29:00 PM	Tuesday
8/27/2019 15:39	0.6	190	3:39:00 PM	Tuesday
8/27/2019 15:40	0.5	188	3:40:00 PM	Tuesday
8/27/2019 15:41	0.5	189	3:41:00 PM	Tuesday
8/27/2019 15:48	0.5	173	3:48:00 PM	Tuesday
8/27/2019 15:49	0.5	185	3:49:00 PM	Tuesday
8/27/2019 15:52	0.5	215	3:52:00 PM	Tuesday
8/27/2019 15:53	0.5	204	3:53:00 PM	Tuesday
8/27/2019 15:54	0.6	202	3:54:00 PM	Tuesday
8/27/2019 15:56	0.5	210	3:56:00 PM	Tuesday
8/27/2019 15:57	0.5	187	3:57:00 PM	Tuesday
8/27/2019 15:58	0.6	186	3:58:00 PM	Tuesday
8/27/2019 16:00	0.5	168	4:00:00 PM	Tuesday
8/27/2019 16:09	0.5	192	4:09:00 PM	Tuesday
8/28/2019 5:14	0.5	217	5:14:00 AM	Wednesda
8/28/2019 5:17	0.5	216	5:17:00 AM	Wednesda
8/28/2019 5:18	0.5	212	5:18:00 AM	Wednesda
8/28/2019 5:19	0.5	209	5:19:00 AM	Wednesda
8/28/2019 5:20	0.5	198	5:20:00 AM	Wednesda
8/28/2019 5:21	0.5	219	5:21:00 AM	Wednesda
8/28/2019 5:22	0.5	215	5:22:00 AM	Wednesda
8/28/2019 5:23	0.5	216	5:23:00 AM	Wednesda
8/28/2019 5:24	0.5	200	5:24:00 AM	Wednesda
8/28/2019 5:25	0.5	201	5:25:00 AM	Wednesda
8/28/2019 5:26	0.5	175	5:26:00 AM	Wednesda
8/28/2019 9:48	0.5	233	9:48:00 AM	Wednesda
8/28/2019 12:39	0.6	258	12:39:00 PM	Wednesda
8/28/2019 13:31	0.7	250	1:31:00 PM	Wednesda
8/28/2019 13:53	0.5	253	1:53:00 PM	Wednesda
8/28/2019 13:54	0.8	259	1:54:00 PM	Wednesda
8/29/2019 20:48	0.5	256	8:48:00 PM	Thursday
8/29/2019 20:50	0.5	242	8:50:00 PM	Thursday
8/29/2019 20:55	0.5	270	8:55:00 PM	Thursday
8/29/2019 20:56	1	261	8:56:00 PM	Thursday
8/29/2019 20:57	1.2	248	8:57:00 PM	Thursday
8/29/2019 20:58	0.7	237	8:58:00 PM	Thursday
8/29/2019 21:00	0.5	225	9:00:00 PM	Thursday
8/29/2019 21:01	0.8	214	9:01:00 PM	Thursday
8/29/2019 21:02	0.5	201	9:02:00 PM	Thursday
8/29/2019 21:03	0.5	214	9:03:00 PM	Thursday
8/29/2019 21:07	0.6	243	9:07:00 PM	Thursday
8/29/2019 21:08	0.7	237	9:08:00 PM	Thursday
8/29/2019 23:50	0.5	181	11:50:00 PM	Thursday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
8/29/2019 23:51	0.5	187	11:51:00 PM Thursday
8/29/2019 23:53	0.5	176	11:53:00 PM Thursday
8/29/2019 23:54	0.5	175	11:54:00 PM Thursday
8/29/2019 23:55	0.5	178	11:55:00 PM Thursday
8/29/2019 23:56	0.5	174	11:56:00 PM Thursday
8/30/2019 0:03	0.5	158	12:03:00 AM Friday
8/30/2019 0:10	0.6	177	12:10:00 AM Friday
8/30/2019 0:14	0.5	186	12:14:00 AM Friday
8/30/2019 0:15	0.5	187	12:15:00 AM Friday
8/30/2019 0:16	0.5	190	12:16:00 AM Friday
8/30/2019 0:35	0.5	176	12:35:00 AM Friday
8/30/2019 0:40	0.5	176	12:40:00 AM Friday
8/30/2019 0:46	0.5	191	12:46:00 AM Friday
8/30/2019 0:49	0.5	195	12:49:00 AM Friday
8/30/2019 0:50	0.5	199	12:50:00 AM Friday
8/30/2019 0:54	0.5	203	12:54:00 AM Friday
8/30/2019 1:17	0.5	211	1:17:00 AM Friday
8/30/2019 1:18	0.6	196	1:18:00 AM Friday
8/30/2019 1:25	0.5	175	1:25:00 AM Friday
8/30/2019 1:32	0.5	182	1:32:00 AM Friday
8/30/2019 1:35	0.5	178	1:35:00 AM Friday
8/30/2019 1:37	0.7	185	1:37:00 AM Friday
8/30/2019 1:52	0.5	164	1:52:00 AM Friday
8/30/2019 2:05	0.7	205	2:05:00 AM Friday
8/30/2019 2:09	0.8	202	2:09:00 AM Friday
8/30/2019 2:11	0.7	204	2:11:00 AM Friday
8/30/2019 2:14	0.6	187	2:14:00 AM Friday
8/30/2019 2:15	0.5	167	2:15:00 AM Friday
8/30/2019 2:22	0.6	154	2:22:00 AM Friday
8/30/2019 2:25	0.5	168	2:25:00 AM Friday
8/30/2019 2:36	0.5	195	2:36:00 AM Friday
8/30/2019 2:43	0.6	195	2:43:00 AM Friday
8/30/2019 2:46	0.5	187	2:46:00 AM Friday
8/30/2019 2:47	0.5	193	2:47:00 AM Friday
8/30/2019 2:48	0.5	173	2:48:00 AM Friday
8/30/2019 2:52	0.6	153	2:52:00 AM Friday
8/30/2019 2:53	0.5	161	2:53:00 AM Friday
8/30/2019 2:55	0.6	187	2:55:00 AM Friday
8/30/2019 3:07	0.5	194	3:07:00 AM Friday
8/30/2019 3:11	0.5	221	3:11:00 AM Friday
8/30/2019 3:14	0.5	188	3:14:00 AM Friday
8/30/2019 3:16	0.5	167	3:16:00 AM Friday
8/30/2019 3:19	0.5	176	3:19:00 AM Friday
8/30/2019 3:22	0.5	173	3:22:00 AM Friday
8/30/2019 3:40	0.5	197	3:40:00 AM Friday
8/30/2019 3:41	0.5	193	3:41:00 AM Friday
8/30/2019 3:42	0.5	190	3:42:00 AM Friday
8/30/2019 3:44	0.5	182	3:44:00 AM Friday
8/30/2019 3:46	0.6	203	3:46:00 AM Friday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
8/30/2019 3:47	0.6	193	3:47:00 AM Friday
8/30/2019 3:48	0.7	201	3:48:00 AM Friday
8/30/2019 3:49	0.7	209	3:49:00 AM Friday
8/30/2019 3:50	0.7	200	3:50:00 AM Friday
8/30/2019 3:51	0.6	193	3:51:00 AM Friday
8/30/2019 3:52	0.7	180	3:52:00 AM Friday
8/30/2019 3:53	0.6	180	3:53:00 AM Friday
8/30/2019 3:54	0.6	169	3:54:00 AM Friday
8/30/2019 3:55	0.7	181	3:55:00 AM Friday
8/30/2019 3:56	0.7	181	3:56:00 AM Friday
8/30/2019 3:57	0.6	185	3:57:00 AM Friday
8/30/2019 3:58	0.7	195	3:58:00 AM Friday
8/30/2019 3:59	0.6	198	3:59:00 AM Friday
8/30/2019 4:00	0.7	193	4:00:00 AM Friday
8/30/2019 4:01	0.6	217	4:01:00 AM Friday
8/30/2019 4:02	0.6	243	4:02:00 AM Friday
8/30/2019 4:03	0.5	244	4:03:00 AM Friday
8/30/2019 4:04	0.8	248	4:04:00 AM Friday
8/30/2019 4:05	0.5	249	4:05:00 AM Friday
8/30/2019 4:07	0.5	254	4:07:00 AM Friday
8/30/2019 4:12	0.5	259	4:12:00 AM Friday
8/30/2019 4:21	0.6	218	4:21:00 AM Friday
8/30/2019 4:22	0.7	215	4:22:00 AM Friday
8/30/2019 4:23	0.6	214	4:23:00 AM Friday
8/30/2019 4:25	0.5	230	4:25:00 AM Friday
8/30/2019 4:26	0.5	258	4:26:00 AM Friday
9/19/2019 17:37	0.5	236	5:37:00 PM Thursday
9/19/2019 17:38	1	225	5:38:00 PM Thursday
9/19/2019 17:49	0.6	159	5:49:00 PM Thursday
9/19/2019 17:50	0.7	159	5:50:00 PM Thursday
9/20/2019 11:03	0.7	215	11:03:00 AM Friday
9/20/2019 11:20	0.5	190	11:20:00 AM Friday
9/20/2019 11:21	0.6	190	11:21:00 AM Friday
9/20/2019 17:33	0.6	168	5:33:00 PM Friday
9/20/2019 17:39	0.6	185	5:39:00 PM Friday
9/20/2019 17:52	0.8	193	5:52:00 PM Friday
9/20/2019 18:05	0.5	238	6:05:00 PM Friday
9/20/2019 18:11	1.4	185	6:11:00 PM Friday
9/20/2019 18:14	0.5	190	6:14:00 PM Friday
9/27/2019 18:33	0.6	178	6:33:00 PM Friday
9/27/2019 18:52	0.6	178	6:52:00 PM Friday
9/27/2019 19:28	0.5	179	7:28:00 PM Friday
10/1/2019 2:04	0.5	219	2:04:00 AM Tuesday
10/1/2019 2:05	0.5	213	2:05:00 AM Tuesday
10/1/2019 2:08	0.5	184	2:08:00 AM Tuesday
10/1/2019 2:09	0.5	183	2:09:00 AM Tuesday
10/1/2019 2:10	0.5	193	2:10:00 AM Tuesday
10/1/2019 2:11	0.6	202	2:11:00 AM Tuesday
10/1/2019 2:12	0.6	201	2:12:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/1/2019 2:13	0.6	206	2:13:00 AM Tuesday
10/1/2019 2:14	0.6	211	2:14:00 AM Tuesday
10/1/2019 2:15	0.7	204	2:15:00 AM Tuesday
10/1/2019 2:16	0.6	199	2:16:00 AM Tuesday
10/1/2019 2:17	0.6	195	2:17:00 AM Tuesday
10/1/2019 2:18	0.6	192	2:18:00 AM Tuesday
10/1/2019 2:19	0.5	196	2:19:00 AM Tuesday
10/1/2019 2:20	0.5	201	2:20:00 AM Tuesday
10/1/2019 2:21	0.5	203	2:21:00 AM Tuesday
10/1/2019 2:22	0.5	204	2:22:00 AM Tuesday
10/1/2019 2:23	0.5	209	2:23:00 AM Tuesday
10/1/2019 2:24	0.5	217	2:24:00 AM Tuesday
10/1/2019 2:25	0.5	221	2:25:00 AM Tuesday
10/1/2019 2:26	0.5	226	2:26:00 AM Tuesday
10/1/2019 2:27	0.5	235	2:27:00 AM Tuesday
10/1/2019 2:28	0.5	227	2:28:00 AM Tuesday
10/1/2019 2:29	0.6	214	2:29:00 AM Tuesday
10/1/2019 2:30	0.5	211	2:30:00 AM Tuesday
10/1/2019 2:31	0.5	196	2:31:00 AM Tuesday
10/1/2019 2:32	0.5	196	2:32:00 AM Tuesday
10/1/2019 2:33	0.5	199	2:33:00 AM Tuesday
10/1/2019 2:34	0.5	196	2:34:00 AM Tuesday
10/1/2019 2:37	0.5	190	2:37:00 AM Tuesday
10/1/2019 2:38	0.5	182	2:38:00 AM Tuesday
10/1/2019 2:39	0.5	199	2:39:00 AM Tuesday
10/1/2019 2:46	0.5	192	2:46:00 AM Tuesday
10/1/2019 2:47	0.5	197	2:47:00 AM Tuesday
10/1/2019 2:48	0.5	189	2:48:00 AM Tuesday
10/1/2019 2:50	0.5	176	2:50:00 AM Tuesday
10/1/2019 2:52	0.5	187	2:52:00 AM Tuesday
10/1/2019 2:53	0.5	202	2:53:00 AM Tuesday
10/1/2019 2:54	0.5	208	2:54:00 AM Tuesday
10/1/2019 2:55	0.5	212	2:55:00 AM Tuesday
10/1/2019 2:56	0.5	213	2:56:00 AM Tuesday
10/1/2019 3:00	0.5	201	3:00:00 AM Tuesday
10/1/2019 3:01	0.5	197	3:01:00 AM Tuesday
10/1/2019 3:02	0.5	191	3:02:00 AM Tuesday
10/1/2019 3:03	0.5	190	3:03:00 AM Tuesday
10/1/2019 3:04	0.5	204	3:04:00 AM Tuesday
10/1/2019 3:05	0.5	201	3:05:00 AM Tuesday
10/1/2019 3:06	0.5	213	3:06:00 AM Tuesday
10/1/2019 3:07	0.5	209	3:07:00 AM Tuesday
10/1/2019 3:08	0.5	206	3:08:00 AM Tuesday
10/1/2019 3:09	0.5	194	3:09:00 AM Tuesday
10/1/2019 3:10	0.5	183	3:10:00 AM Tuesday
10/1/2019 3:11	0.5	170	3:11:00 AM Tuesday
10/1/2019 3:12	0.5	166	3:12:00 AM Tuesday
10/1/2019 3:13	0.5	169	3:13:00 AM Tuesday
10/1/2019 3:14	0.5	172	3:14:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/1/2019 3:15	0.5	174	3:15:00 AM Tuesday
10/1/2019 3:17	0.5	202	3:17:00 AM Tuesday
10/1/2019 3:18	0.5	195	3:18:00 AM Tuesday
10/1/2019 3:19	0.5	188	3:19:00 AM Tuesday
10/1/2019 3:23	0.5	180	3:23:00 AM Tuesday
10/1/2019 3:24	0.5	190	3:24:00 AM Tuesday
10/1/2019 3:28	0.5	200	3:28:00 AM Tuesday
10/1/2019 3:29	0.5	195	3:29:00 AM Tuesday
10/1/2019 3:30	0.5	188	3:30:00 AM Tuesday
10/1/2019 3:31	0.5	189	3:31:00 AM Tuesday
10/1/2019 3:32	0.5	193	3:32:00 AM Tuesday
10/1/2019 3:33	0.5	179	3:33:00 AM Tuesday
10/1/2019 3:34	0.5	181	3:34:00 AM Tuesday
10/1/2019 3:35	0.5	207	3:35:00 AM Tuesday
10/1/2019 3:37	0.5	211	3:37:00 AM Tuesday
10/1/2019 3:46	0.5	228	3:46:00 AM Tuesday
10/1/2019 3:48	0.5	211	3:48:00 AM Tuesday
10/1/2019 3:49	0.5	189	3:49:00 AM Tuesday
10/1/2019 3:50	0.6	197	3:50:00 AM Tuesday
10/1/2019 3:51	0.5	197	3:51:00 AM Tuesday
10/1/2019 3:52	0.5	203	3:52:00 AM Tuesday
10/1/2019 3:53	0.5	216	3:53:00 AM Tuesday
10/1/2019 3:54	0.5	226	3:54:00 AM Tuesday
10/1/2019 3:55	0.5	218	3:55:00 AM Tuesday
10/1/2019 3:56	0.5	211	3:56:00 AM Tuesday
10/1/2019 3:57	0.5	206	3:57:00 AM Tuesday
10/1/2019 3:58	0.5	206	3:58:00 AM Tuesday
10/1/2019 3:59	0.5	210	3:59:00 AM Tuesday
10/1/2019 4:00	0.5	220	4:00:00 AM Tuesday
10/1/2019 4:01	0.5	214	4:01:00 AM Tuesday
10/1/2019 4:02	0.5	221	4:02:00 AM Tuesday
10/1/2019 4:03	0.5	229	4:03:00 AM Tuesday
10/1/2019 4:05	0.5	205	4:05:00 AM Tuesday
10/1/2019 4:07	0.5	219	4:07:00 AM Tuesday
10/1/2019 4:08	0.5	215	4:08:00 AM Tuesday
10/1/2019 4:09	0.5	204	4:09:00 AM Tuesday
10/1/2019 4:10	0.6	209	4:10:00 AM Tuesday
10/1/2019 4:11	0.5	211	4:11:00 AM Tuesday
10/1/2019 4:12	0.5	197	4:12:00 AM Tuesday
10/1/2019 4:13	0.5	185	4:13:00 AM Tuesday
10/1/2019 4:14	0.5	204	4:14:00 AM Tuesday
10/1/2019 4:15	0.5	201	4:15:00 AM Tuesday
10/1/2019 4:16	0.5	213	4:16:00 AM Tuesday
10/1/2019 4:17	0.5	219	4:17:00 AM Tuesday
10/1/2019 4:20	0.5	204	4:20:00 AM Tuesday
10/1/2019 4:21	0.5	196	4:21:00 AM Tuesday
10/1/2019 4:22	0.5	198	4:22:00 AM Tuesday
10/1/2019 4:23	0.5	196	4:23:00 AM Tuesday
10/1/2019 4:26	0.5	206	4:26:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/1/2019 4:27	0.5	198	4:27:00 AM Tuesday
10/1/2019 4:28	0.5	201	4:28:00 AM Tuesday
10/1/2019 4:29	0.5	197	4:29:00 AM Tuesday
10/1/2019 4:35	0.5	203	4:35:00 AM Tuesday
10/1/2019 5:09	0.5	170	5:09:00 AM Tuesday
10/1/2019 5:10	0.5	179	5:10:00 AM Tuesday
10/1/2019 5:36	0.5	220	5:36:00 AM Tuesday
10/1/2019 5:37	0.5	219	5:37:00 AM Tuesday
10/1/2019 5:38	0.5	224	5:38:00 AM Tuesday
10/1/2019 5:41	0.5	213	5:41:00 AM Tuesday
10/1/2019 5:42	0.5	215	5:42:00 AM Tuesday
10/1/2019 5:43	0.5	193	5:43:00 AM Tuesday
10/1/2019 5:52	0.5	197	5:52:00 AM Tuesday
10/1/2019 5:53	0.5	194	5:53:00 AM Tuesday
10/1/2019 5:58	0.5	220	5:58:00 AM Tuesday
10/1/2019 6:05	0.5	217	6:05:00 AM Tuesday
10/1/2019 6:06	0.5	216	6:06:00 AM Tuesday
10/1/2019 6:09	0.5	168	6:09:00 AM Tuesday
10/1/2019 6:10	0.5	163	6:10:00 AM Tuesday
10/1/2019 6:11	0.5	167	6:11:00 AM Tuesday
10/1/2019 6:12	0.5	179	6:12:00 AM Tuesday
10/1/2019 6:16	0.5	224	6:16:00 AM Tuesday
10/1/2019 6:17	0.5	210	6:17:00 AM Tuesday
10/1/2019 6:18	0.5	209	6:18:00 AM Tuesday
10/1/2019 6:19	0.5	196	6:19:00 AM Tuesday
10/1/2019 6:20	0.5	193	6:20:00 AM Tuesday
10/1/2019 6:25	0.5	223	6:25:00 AM Tuesday
10/1/2019 6:51	0.5	241	6:51:00 AM Tuesday
10/1/2019 6:52	0.5	224	6:52:00 AM Tuesday
10/1/2019 6:53	0.5	223	6:53:00 AM Tuesday
10/1/2019 6:54	0.6	213	6:54:00 AM Tuesday
10/1/2019 6:55	0.5	216	6:55:00 AM Tuesday
10/1/2019 6:56	0.5	209	6:56:00 AM Tuesday
10/1/2019 6:57	0.5	215	6:57:00 AM Tuesday
10/1/2019 6:58	0.6	218	6:58:00 AM Tuesday
10/1/2019 6:59	0.5	212	6:59:00 AM Tuesday
10/1/2019 7:00	0.5	193	7:00:00 AM Tuesday
10/1/2019 7:01	0.5	196	7:01:00 AM Tuesday
10/1/2019 7:02	0.5	198	7:02:00 AM Tuesday
10/1/2019 7:03	0.5	211	7:03:00 AM Tuesday
10/1/2019 7:04	0.5	213	7:04:00 AM Tuesday
10/1/2019 7:05	0.5	220	7:05:00 AM Tuesday
10/1/2019 7:06	0.5	200	7:06:00 AM Tuesday
10/1/2019 7:07	0.5	190	7:07:00 AM Tuesday
10/1/2019 7:08	0.5	167	7:08:00 AM Tuesday
10/1/2019 7:09	0.5	175	7:09:00 AM Tuesday
10/1/2019 7:10	0.5	171	7:10:00 AM Tuesday
10/1/2019 7:11	0.5	177	7:11:00 AM Tuesday
10/1/2019 7:12	0.5	182	7:12:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/1/2019 7:13	0.5	198	7:13:00 AM Tuesday
10/1/2019 7:14	0.5	191	7:14:00 AM Tuesday
10/1/2019 7:15	0.5	199	7:15:00 AM Tuesday
10/1/2019 7:16	0.5	190	7:16:00 AM Tuesday
10/1/2019 7:17	0.5	196	7:17:00 AM Tuesday
10/1/2019 7:18	0.5	188	7:18:00 AM Tuesday
10/1/2019 7:19	0.5	216	7:19:00 AM Tuesday
10/1/2019 7:20	0.5	218	7:20:00 AM Tuesday
10/1/2019 7:21	0.5	244	7:21:00 AM Tuesday
10/1/2019 7:22	0.6	239	7:22:00 AM Tuesday
10/1/2019 7:23	0.6	242	7:23:00 AM Tuesday
10/1/2019 7:24	0.5	224	7:24:00 AM Tuesday
10/1/2019 7:26	0.5	246	7:26:00 AM Tuesday
10/1/2019 7:27	0.5	250	7:27:00 AM Tuesday
10/1/2019 7:28	0.5	257	7:28:00 AM Tuesday
10/1/2019 7:29	0.5	257	7:29:00 AM Tuesday
10/1/2019 7:30	0.5	246	7:30:00 AM Tuesday
10/1/2019 7:31	0.5	206	7:31:00 AM Tuesday
10/1/2019 7:35	0.5	175	7:35:00 AM Tuesday
10/1/2019 7:36	0.5	176	7:36:00 AM Tuesday
10/1/2019 7:37	0.5	208	7:37:00 AM Tuesday
10/1/2019 7:38	0.5	189	7:38:00 AM Tuesday
10/1/2019 7:39	0.5	205	7:39:00 AM Tuesday
10/1/2019 7:40	0.5	209	7:40:00 AM Tuesday
10/1/2019 7:41	0.5	227	7:41:00 AM Tuesday
10/1/2019 7:42	0.5	220	7:42:00 AM Tuesday
10/1/2019 7:43	0.5	233	7:43:00 AM Tuesday
10/1/2019 7:44	0.5	213	7:44:00 AM Tuesday
10/1/2019 7:45	0.5	214	7:45:00 AM Tuesday
10/1/2019 7:47	0.5	224	7:47:00 AM Tuesday
10/1/2019 7:48	0.5	223	7:48:00 AM Tuesday
10/1/2019 7:49	0.5	216	7:49:00 AM Tuesday
10/1/2019 7:51	0.5	204	7:51:00 AM Tuesday
10/1/2019 7:52	0.5	206	7:52:00 AM Tuesday
10/1/2019 7:53	0.5	216	7:53:00 AM Tuesday
10/1/2019 7:56	0.5	235	7:56:00 AM Tuesday
10/1/2019 7:57	0.5	233	7:57:00 AM Tuesday
10/1/2019 7:58	0.5	223	7:58:00 AM Tuesday
10/1/2019 7:59	0.5	220	7:59:00 AM Tuesday
10/1/2019 8:00	0.5	213	8:00:00 AM Tuesday
10/1/2019 8:01	0.6	217	8:01:00 AM Tuesday
10/1/2019 8:02	0.5	203	8:02:00 AM Tuesday
10/1/2019 8:03	0.5	208	8:03:00 AM Tuesday
10/1/2019 8:04	0.5	202	8:04:00 AM Tuesday
10/1/2019 8:05	0.5	211	8:05:00 AM Tuesday
10/1/2019 8:06	0.6	200	8:06:00 AM Tuesday
10/1/2019 8:07	0.5	205	8:07:00 AM Tuesday
10/1/2019 8:08	0.5	208	8:08:00 AM Tuesday
10/1/2019 8:09	0.5	220	8:09:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/1/2019 8:10	0.5	219	8:10:00 AM Tuesday
10/1/2019 8:11	0.5	218	8:11:00 AM Tuesday
10/1/2019 8:12	0.5	211	8:12:00 AM Tuesday
10/1/2019 8:13	0.5	210	8:13:00 AM Tuesday
10/1/2019 8:14	0.6	202	8:14:00 AM Tuesday
10/1/2019 8:15	0.6	211	8:15:00 AM Tuesday
10/1/2019 8:16	0.5	218	8:16:00 AM Tuesday
10/1/2019 8:17	0.6	225	8:17:00 AM Tuesday
10/1/2019 8:18	0.5	218	8:18:00 AM Tuesday
10/1/2019 8:19	0.6	225	8:19:00 AM Tuesday
10/1/2019 8:20	0.6	209	8:20:00 AM Tuesday
10/1/2019 8:21	0.7	200	8:21:00 AM Tuesday
10/1/2019 8:22	0.6	206	8:22:00 AM Tuesday
10/1/2019 8:23	0.5	209	8:23:00 AM Tuesday
10/1/2019 8:24	0.7	203	8:24:00 AM Tuesday
10/1/2019 8:25	0.7	206	8:25:00 AM Tuesday
10/1/2019 8:26	0.8	203	8:26:00 AM Tuesday
10/1/2019 8:27	0.7	187	8:27:00 AM Tuesday
10/1/2019 8:28	0.7	197	8:28:00 AM Tuesday
10/1/2019 8:29	0.7	195	8:29:00 AM Tuesday
10/1/2019 8:30	0.7	201	8:30:00 AM Tuesday
10/1/2019 8:31	0.6	208	8:31:00 AM Tuesday
10/1/2019 8:32	0.7	225	8:32:00 AM Tuesday
10/1/2019 8:33	0.6	211	8:33:00 AM Tuesday
10/1/2019 8:34	0.7	212	8:34:00 AM Tuesday
10/1/2019 8:35	0.6	194	8:35:00 AM Tuesday
10/1/2019 8:36	0.6	193	8:36:00 AM Tuesday
10/1/2019 8:37	0.6	196	8:37:00 AM Tuesday
10/1/2019 8:38	0.6	196	8:38:00 AM Tuesday
10/1/2019 8:39	0.7	187	8:39:00 AM Tuesday
10/1/2019 8:40	0.7	196	8:40:00 AM Tuesday
10/1/2019 8:41	0.6	189	8:41:00 AM Tuesday
10/1/2019 8:42	0.6	175	8:42:00 AM Tuesday
10/1/2019 8:43	0.7	183	8:43:00 AM Tuesday
10/1/2019 8:44	0.7	194	8:44:00 AM Tuesday
10/1/2019 8:47	0.6	207	8:47:00 AM Tuesday
10/1/2019 8:48	0.7	181	8:48:00 AM Tuesday
10/1/2019 8:49	0.7	182	8:49:00 AM Tuesday
10/1/2019 8:50	0.6	188	8:50:00 AM Tuesday
10/1/2019 8:51	0.7	191	8:51:00 AM Tuesday
10/1/2019 8:52	0.7	193	8:52:00 AM Tuesday
10/1/2019 8:53	0.6	197	8:53:00 AM Tuesday
10/1/2019 8:54	0.6	196	8:54:00 AM Tuesday
10/1/2019 8:55	0.7	206	8:55:00 AM Tuesday
10/1/2019 8:56	0.7	207	8:56:00 AM Tuesday
10/1/2019 8:57	0.6	214	8:57:00 AM Tuesday
10/1/2019 8:58	0.5	225	8:58:00 AM Tuesday
10/1/2019 8:59	0.6	217	8:59:00 AM Tuesday
10/1/2019 9:00	0.6	208	9:00:00 AM Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/1/2019 9:01	0.6	206	9:01:00 AM Tuesday
10/1/2019 9:02	0.6	197	9:02:00 AM Tuesday
10/1/2019 9:03	0.5	190	9:03:00 AM Tuesday
10/1/2019 9:04	0.6	197	9:04:00 AM Tuesday
10/1/2019 9:05	0.5	190	9:05:00 AM Tuesday
10/1/2019 9:06	0.5	194	9:06:00 AM Tuesday
10/1/2019 9:07	0.5	196	9:07:00 AM Tuesday
10/1/2019 9:09	0.5	211	9:09:00 AM Tuesday
10/1/2019 9:10	0.5	224	9:10:00 AM Tuesday
10/1/2019 9:11	0.5	214	9:11:00 AM Tuesday
10/1/2019 9:12	0.6	216	9:12:00 AM Tuesday
10/1/2019 9:13	0.6	217	9:13:00 AM Tuesday
10/1/2019 9:14	0.7	231	9:14:00 AM Tuesday
10/1/2019 9:15	0.5	232	9:15:00 AM Tuesday
10/1/2019 9:17	0.5	264	9:17:00 AM Tuesday
10/1/2019 9:18	0.9	260	9:18:00 AM Tuesday
10/1/2019 9:19	0.6	248	9:19:00 AM Tuesday
10/1/2019 9:20	0.5	255	9:20:00 AM Tuesday
10/1/2019 9:21	0.5	259	9:21:00 AM Tuesday
10/1/2019 9:22	0.6	248	9:22:00 AM Tuesday
10/1/2019 9:23	0.5	260	9:23:00 AM Tuesday
10/1/2019 9:27	0.5	239	9:27:00 AM Tuesday
10/1/2019 9:28	0.5	210	9:28:00 AM Tuesday
10/1/2019 9:29	0.5	196	9:29:00 AM Tuesday
10/1/2019 9:30	0.5	194	9:30:00 AM Tuesday
10/1/2019 9:31	0.8	183	9:31:00 AM Tuesday
10/1/2019 9:32	0.8	185	9:32:00 AM Tuesday
10/1/2019 9:33	0.5	207	9:33:00 AM Tuesday
10/1/2019 9:34	0.6	212	9:34:00 AM Tuesday
10/1/2019 9:35	0.6	216	9:35:00 AM Tuesday
10/1/2019 9:36	0.6	223	9:36:00 AM Tuesday
10/1/2019 9:37	0.5	227	9:37:00 AM Tuesday
10/1/2019 9:38	0.6	210	9:38:00 AM Tuesday
10/1/2019 9:39	0.5	219	9:39:00 AM Tuesday
10/1/2019 9:41	0.5	205	9:41:00 AM Tuesday
10/1/2019 9:42	0.7	203	9:42:00 AM Tuesday
10/1/2019 9:44	0.6	219	9:44:00 AM Tuesday
10/1/2019 9:45	0.6	216	9:45:00 AM Tuesday
10/1/2019 9:46	0.5	245	9:46:00 AM Tuesday
10/1/2019 9:48	0.5	235	9:48:00 AM Tuesday
10/1/2019 9:57	0.6	211	9:57:00 AM Tuesday
10/6/2019 6:33	0.5	169	6:33:00 AM Sunday
10/6/2019 6:45	0.5	162	6:45:00 AM Sunday
10/6/2019 6:49	0.5	208	6:49:00 AM Sunday
10/6/2019 7:03	0.5	183	7:03:00 AM Sunday
10/6/2019 7:10	0.5	228	7:10:00 AM Sunday
10/6/2019 7:12	0.5	238	7:12:00 AM Sunday
10/6/2019 7:13	0.5	228	7:13:00 AM Sunday
10/6/2019 7:23	0.6	207	7:23:00 AM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/6/2019 7:24	0.5	210	7:24:00 AM Sunday
10/6/2019 7:25	0.6	220	7:25:00 AM Sunday
10/6/2019 7:26	0.5	207	7:26:00 AM Sunday
10/6/2019 7:27	0.5	177	7:27:00 AM Sunday
10/6/2019 7:30	0.5	162	7:30:00 AM Sunday
10/6/2019 7:31	0.5	159	7:31:00 AM Sunday
10/6/2019 7:32	0.6	181	7:32:00 AM Sunday
10/6/2019 7:33	0.6	171	7:33:00 AM Sunday
10/6/2019 7:35	0.6	192	7:35:00 AM Sunday
10/6/2019 7:36	0.5	194	7:36:00 AM Sunday
10/6/2019 7:38	0.6	218	7:38:00 AM Sunday
10/6/2019 7:39	0.5	222	7:39:00 AM Sunday
10/6/2019 7:40	0.5	223	7:40:00 AM Sunday
10/6/2019 7:41	0.5	226	7:41:00 AM Sunday
10/6/2019 7:42	0.5	218	7:42:00 AM Sunday
10/6/2019 7:43	0.6	227	7:43:00 AM Sunday
10/6/2019 7:44	0.5	225	7:44:00 AM Sunday
10/6/2019 7:47	0.5	212	7:47:00 AM Sunday
10/6/2019 7:48	0.6	214	7:48:00 AM Sunday
10/6/2019 7:49	0.7	201	7:49:00 AM Sunday
10/6/2019 7:51	0.6	189	7:51:00 AM Sunday
10/6/2019 7:52	0.5	207	7:52:00 AM Sunday
10/6/2019 7:53	0.5	201	7:53:00 AM Sunday
10/6/2019 7:57	0.5	216	7:57:00 AM Sunday
10/6/2019 7:58	0.6	221	7:58:00 AM Sunday
10/6/2019 7:59	0.5	245	7:59:00 AM Sunday
10/6/2019 8:00	0.5	250	8:00:00 AM Sunday
10/6/2019 8:02	0.5	228	8:02:00 AM Sunday
10/6/2019 8:03	0.5	221	8:03:00 AM Sunday
10/6/2019 8:04	0.5	195	8:04:00 AM Sunday
10/6/2019 8:05	0.6	190	8:05:00 AM Sunday
10/6/2019 8:06	0.5	206	8:06:00 AM Sunday
10/6/2019 8:07	0.5	230	8:07:00 AM Sunday
10/6/2019 8:08	0.5	238	8:08:00 AM Sunday
10/6/2019 8:09	0.6	230	8:09:00 AM Sunday
10/6/2019 8:10	0.6	237	8:10:00 AM Sunday
10/6/2019 8:11	0.5	217	8:11:00 AM Sunday
10/6/2019 8:13	0.5	185	8:13:00 AM Sunday
10/6/2019 8:15	0.5	175	8:15:00 AM Sunday
10/6/2019 8:17	0.5	183	8:17:00 AM Sunday
10/6/2019 11:57	0.5	188	11:57:00 AM Sunday
10/6/2019 11:58	0.6	206	11:58:00 AM Sunday
10/6/2019 11:59	0.5	200	11:59:00 AM Sunday
10/6/2019 12:31	0.5	201	12:31:00 PM Sunday
10/6/2019 12:33	0.6	180	12:33:00 PM Sunday
10/6/2019 12:35	0.8	176	12:35:00 PM Sunday
10/6/2019 12:36	0.6	173	12:36:00 PM Sunday
10/6/2019 12:37	0.5	173	12:37:00 PM Sunday
10/6/2019 12:38	0.5	179	12:38:00 PM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
10/6/2019	0.5	185	12:39:00 PM Sunday
10/6/2019	0.5	199	12:43:00 PM Sunday
10/6/2019	0.6	209	12:48:00 PM Sunday
10/6/2019	0.6	206	12:49:00 PM Sunday
10/6/2019	0.6	207	12:50:00 PM Sunday
10/6/2019	0.5	220	12:51:00 PM Sunday
10/6/2019	0.5	228	12:52:00 PM Sunday
10/6/2019	0.7	230	12:53:00 PM Sunday
10/6/2019	0.7	218	12:54:00 PM Sunday
10/6/2019	0.5	222	12:55:00 PM Sunday
10/6/2019	0.5	207	12:56:00 PM Sunday
10/6/2019	0.5	210	12:57:00 PM Sunday
10/6/2019	0.5	210	12:58:00 PM Sunday
10/6/2019	0.6	218	12:59:00 PM Sunday
10/6/2019	0.5	223	1:00:00 PM Sunday
10/6/2019	0.6	219	1:01:00 PM Sunday
10/6/2019	0.6	218	1:02:00 PM Sunday
10/6/2019	0.6	218	1:03:00 PM Sunday
10/6/2019	0.7	208	1:04:00 PM Sunday
10/6/2019	0.6	185	1:05:00 PM Sunday
10/6/2019	0.5	195	1:06:00 PM Sunday
10/6/2019	0.5	204	1:07:00 PM Sunday
10/6/2019	0.7	224	1:08:00 PM Sunday
10/6/2019	0.7	222	1:09:00 PM Sunday
10/6/2019	0.6	239	1:10:00 PM Sunday
10/6/2019	0.6	236	1:11:00 PM Sunday
10/6/2019	0.7	229	1:12:00 PM Sunday
10/6/2019	0.8	214	1:13:00 PM Sunday
10/6/2019	0.7	229	1:14:00 PM Sunday
10/6/2019	0.5	233	1:15:00 PM Sunday
10/6/2019	0.6	231	1:16:00 PM Sunday
10/6/2019	0.5	239	1:17:00 PM Sunday
10/6/2019	0.5	260	1:18:00 PM Sunday
10/6/2019	0.5	232	1:20:00 PM Sunday
10/6/2019	0.5	191	1:25:00 PM Sunday
10/6/2019	0.6	184	1:26:00 PM Sunday
10/6/2019	0.5	184	1:27:00 PM Sunday
10/6/2019	0.6	190	1:28:00 PM Sunday
10/6/2019	0.5	204	1:29:00 PM Sunday
10/6/2019	0.5	195	1:30:00 PM Sunday
10/6/2019	0.6	210	1:32:00 PM Sunday
10/6/2019	0.5	224	1:33:00 PM Sunday
10/6/2019	0.5	228	1:35:00 PM Sunday
10/6/2019	0.6	227	1:36:00 PM Sunday
10/6/2019	0.7	228	1:37:00 PM Sunday
10/6/2019	0.9	215	1:38:00 PM Sunday
10/6/2019	1	202	1:39:00 PM Sunday
10/6/2019	0.7	203	1:40:00 PM Sunday
10/6/2019	0.7	206	1:41:00 PM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
10/6/2019	0.9	197	1:42:00 PM Sunday
10/6/2019	0.6	204	1:43:00 PM Sunday
10/6/2019	0.5	221	1:44:00 PM Sunday
10/6/2019	0.5	221	1:45:00 PM Sunday
10/6/2019	0.6	210	1:46:00 PM Sunday
10/6/2019	0.7	218	1:47:00 PM Sunday
10/6/2019	0.6	208	1:48:00 PM Sunday
10/6/2019	0.6	184	1:49:00 PM Sunday
10/6/2019	0.5	200	1:50:00 PM Sunday
10/6/2019	0.5	222	1:51:00 PM Sunday
10/6/2019	0.6	216	1:52:00 PM Sunday
10/6/2019	0.5	225	1:53:00 PM Sunday
10/6/2019	0.5	236	1:54:00 PM Sunday
10/6/2019	0.6	222	1:55:00 PM Sunday
10/6/2019	0.7	208	1:56:00 PM Sunday
10/6/2019	0.8	210	1:57:00 PM Sunday
10/6/2019	0.7	215	1:58:00 PM Sunday
10/6/2019	0.7	210	1:59:00 PM Sunday
10/6/2019	0.6	196	2:00:00 PM Sunday
10/6/2019	0.7	194	2:01:00 PM Sunday
10/6/2019	0.5	166	2:04:00 PM Sunday
10/6/2019	0.6	182	2:05:00 PM Sunday
10/6/2019	0.8	179	2:06:00 PM Sunday
10/6/2019	0.5	189	2:07:00 PM Sunday
10/6/2019	0.5	207	2:08:00 PM Sunday
10/6/2019	0.7	224	2:09:00 PM Sunday
10/6/2019	0.6	216	2:10:00 PM Sunday
10/6/2019	0.7	228	2:11:00 PM Sunday
10/6/2019	0.6	250	2:12:00 PM Sunday
10/6/2019	0.6	236	2:13:00 PM Sunday
10/6/2019	0.7	233	2:14:00 PM Sunday
10/6/2019	0.7	251	2:15:00 PM Sunday
10/6/2019	0.7	249	2:16:00 PM Sunday
10/6/2019	0.6	223	2:17:00 PM Sunday
10/6/2019	0.5	230	2:18:00 PM Sunday
10/6/2019	0.5	235	2:19:00 PM Sunday
10/6/2019	0.6	207	2:20:00 PM Sunday
10/6/2019	0.5	201	2:21:00 PM Sunday
10/6/2019	0.7	229	2:22:00 PM Sunday
10/6/2019	0.8	245	2:25:00 PM Sunday
10/6/2019	0.6	244	2:26:00 PM Sunday
10/6/2019	0.8	207	2:28:00 PM Sunday
10/6/2019	0.9	193	2:29:00 PM Sunday
10/6/2019	1	195	2:30:00 PM Sunday
10/6/2019	0.9	184	2:31:00 PM Sunday
10/6/2019	1	178	2:32:00 PM Sunday
10/6/2019	1	169	2:33:00 PM Sunday
10/6/2019	0.7	170	2:34:00 PM Sunday
10/6/2019	0.8	158	2:35:00 PM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/6/2019 14:36	0.8	180	2:36:00 PM Sunday
10/6/2019 14:37	0.6	200	2:37:00 PM Sunday
10/6/2019 14:38	1.1	212	2:38:00 PM Sunday
10/6/2019 14:39	0.9	201	2:39:00 PM Sunday
10/6/2019 14:40	0.6	213	2:40:00 PM Sunday
10/6/2019 14:41	0.6	192	2:41:00 PM Sunday
10/6/2019 14:42	0.7	174	2:42:00 PM Sunday
10/6/2019 14:43	0.9	180	2:43:00 PM Sunday
10/6/2019 14:46	0.7	204	2:46:00 PM Sunday
10/6/2019 14:47	0.8	197	2:47:00 PM Sunday
10/6/2019 14:48	0.5	188	2:48:00 PM Sunday
10/6/2019 14:51	0.7	194	2:51:00 PM Sunday
10/6/2019 14:52	0.7	204	2:52:00 PM Sunday
10/6/2019 14:53	0.7	219	2:53:00 PM Sunday
10/6/2019 14:54	0.8	218	2:54:00 PM Sunday
10/6/2019 14:55	0.8	220	2:55:00 PM Sunday
10/6/2019 14:56	0.8	226	2:56:00 PM Sunday
10/6/2019 14:57	0.9	223	2:57:00 PM Sunday
10/6/2019 14:58	0.8	212	2:58:00 PM Sunday
10/6/2019 14:59	0.7	227	2:59:00 PM Sunday
10/6/2019 15:00	0.5	239	3:00:00 PM Sunday
10/6/2019 15:10	0.5	246	3:10:00 PM Sunday
10/12/2019 5:00	0.6	191	5:00:00 AM Saturday
10/12/2019 5:01	0.5	191	5:01:00 AM Saturday
10/12/2019 6:30	0.6	199	6:30:00 AM Saturday
10/12/2019 6:31	0.5	183	6:31:00 AM Saturday
10/12/2019 6:43	0.6	194	6:43:00 AM Saturday
10/12/2019 6:44	0.7	184	6:44:00 AM Saturday
10/12/2019 6:45	0.5	193	6:45:00 AM Saturday
10/12/2019 6:53	0.6	180	6:53:00 AM Saturday
10/13/2019 10:31	0.5	183	10:31:00 AM Sunday
10/13/2019 10:50	0.5	180	10:50:00 AM Sunday
10/13/2019 10:51	0.5	178	10:51:00 AM Sunday
10/13/2019 11:01	0.6	188	11:01:00 AM Sunday
10/13/2019 11:43	0.6	203	11:43:00 AM Sunday
10/13/2019 12:03	0.5	210	12:03:00 PM Sunday
10/13/2019 12:10	0.6	194	12:10:00 PM Sunday
10/13/2019 12:35	0.6	215	12:35:00 PM Sunday
10/13/2019 12:45	0.6	206	12:45:00 PM Sunday
10/13/2019 12:54	0.6	170	12:54:00 PM Sunday
10/13/2019 13:04	0.5	205	1:04:00 PM Sunday
10/13/2019 13:15	0.5	218	1:15:00 PM Sunday
10/13/2019 13:28	0.5	194	1:28:00 PM Sunday
10/13/2019 13:30	0.5	195	1:30:00 PM Sunday
10/13/2019 14:30	0.6	185	2:30:00 PM Sunday
10/13/2019 14:31	0.6	172	2:31:00 PM Sunday
10/13/2019 14:37	0.6	218	2:37:00 PM Sunday
10/13/2019 14:40	0.5	210	2:40:00 PM Sunday
10/13/2019 14:41	0.5	190	2:41:00 PM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/13/2019 15:00	0.5	247	3:00:00 PM Sunday
10/13/2019 15:01	0.5	224	3:01:00 PM Sunday
10/13/2019 15:03	0.7	198	3:03:00 PM Sunday
10/13/2019 15:13	0.5	214	3:13:00 PM Sunday
10/13/2019 15:26	0.5	239	3:26:00 PM Sunday
10/13/2019 15:29	0.7	250	3:29:00 PM Sunday
10/13/2019 15:34	0.6	240	3:34:00 PM Sunday
10/13/2019 15:43	0.5	231	3:43:00 PM Sunday
10/13/2019 15:48	0.5	240	3:48:00 PM Sunday
10/13/2019 15:50	0.5	233	3:50:00 PM Sunday
10/13/2019 15:51	0.6	246	3:51:00 PM Sunday
10/13/2019 15:52	0.5	232	3:52:00 PM Sunday
10/13/2019 15:53	0.7	211	3:53:00 PM Sunday
10/13/2019 15:54	0.6	192	3:54:00 PM Sunday
10/13/2019 15:55	0.5	193	3:55:00 PM Sunday
10/13/2019 15:57	0.8	172	3:57:00 PM Sunday
10/13/2019 15:58	0.5	187	3:58:00 PM Sunday
10/13/2019 16:02	0.5	213	4:02:00 PM Sunday
10/13/2019 16:16	0.6	219	4:16:00 PM Sunday
10/13/2019 16:17	0.5	223	4:17:00 PM Sunday
10/13/2019 16:21	0.5	189	4:21:00 PM Sunday
10/13/2019 16:24	0.5	192	4:24:00 PM Sunday
10/13/2019 16:25	0.6	178	4:25:00 PM Sunday
10/13/2019 16:32	0.5	197	4:32:00 PM Sunday
10/13/2019 16:49	0.6	162	4:49:00 PM Sunday
10/13/2019 16:57	0.5	178	4:57:00 PM Sunday
10/13/2019 16:58	0.7	177	4:58:00 PM Sunday
10/13/2019 17:01	0.6	166	5:01:00 PM Sunday
10/13/2019 17:02	0.6	172	5:02:00 PM Sunday
10/13/2019 17:03	0.5	167	5:03:00 PM Sunday
10/13/2019 17:05	0.6	176	5:05:00 PM Sunday
10/13/2019 17:06	0.5	185	5:06:00 PM Sunday
10/13/2019 17:11	0.5	199	5:11:00 PM Sunday
10/13/2019 17:15	0.6	207	5:15:00 PM Sunday
10/13/2019 17:17	0.6	214	5:17:00 PM Sunday
10/13/2019 17:18	0.5	217	5:18:00 PM Sunday
10/13/2019 17:24	0.5	220	5:24:00 PM Sunday
10/13/2019 17:25	0.5	227	5:25:00 PM Sunday
10/13/2019 17:29	0.5	239	5:29:00 PM Sunday
10/13/2019 17:30	0.5	232	5:30:00 PM Sunday
10/13/2019 17:35	0.5	216	5:35:00 PM Sunday
10/13/2019 17:38	0.5	204	5:38:00 PM Sunday
10/13/2019 17:40	0.5	213	5:40:00 PM Sunday
10/13/2019 17:41	0.5	193	5:41:00 PM Sunday
10/13/2019 17:43	0.7	176	5:43:00 PM Sunday
10/13/2019 17:44	0.6	167	5:44:00 PM Sunday
10/13/2019 17:49	0.5	240	5:49:00 PM Sunday
10/13/2019 17:54	0.7	203	5:54:00 PM Sunday
10/13/2019 17:55	0.7	199	5:55:00 PM Sunday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert
10/13/2019 17:58	0.5	210	5:58:00 PM Sunday
10/13/2019 17:59	0.7	221	5:59:00 PM Sunday
10/13/2019 18:01	0.5	200	6:01:00 PM Sunday
10/13/2019 18:02	0.8	193	6:02:00 PM Sunday
10/13/2019 18:03	0.7	181	6:03:00 PM Sunday
10/13/2019 18:04	0.5	164	6:04:00 PM Sunday
10/13/2019 18:07	0.7	202	6:07:00 PM Sunday
10/13/2019 18:08	0.5	209	6:08:00 PM Sunday
10/13/2019 18:10	0.7	212	6:10:00 PM Sunday
10/13/2019 18:11	0.5	211	6:11:00 PM Sunday
10/13/2019 18:16	0.6	164	6:16:00 PM Sunday
10/13/2019 18:17	0.5	163	6:17:00 PM Sunday
10/13/2019 18:19	0.5	209	6:19:00 PM Sunday
10/13/2019 18:20	0.5	214	6:20:00 PM Sunday
10/13/2019 18:25	0.7	188	6:25:00 PM Sunday
10/13/2019 18:26	0.6	202	6:26:00 PM Sunday
10/13/2019 18:29	0.5	205	6:29:00 PM Sunday
10/13/2019 18:30	0.5	190	6:30:00 PM Sunday
10/13/2019 18:32	0.5	187	6:32:00 PM Sunday
10/13/2019 18:33	0.5	173	6:33:00 PM Sunday
10/13/2019 18:34	0.7	174	6:34:00 PM Sunday
10/13/2019 18:36	0.8	174	6:36:00 PM Sunday
10/13/2019 18:40	0.5	205	6:40:00 PM Sunday
10/13/2019 18:41	0.5	213	6:41:00 PM Sunday
10/13/2019 18:42	0.5	212	6:42:00 PM Sunday
10/13/2019 18:45	0.5	182	6:45:00 PM Sunday
10/13/2019 18:48	0.5	176	6:48:00 PM Sunday
10/13/2019 18:54	0.7	182	6:54:00 PM Sunday
10/13/2019 18:55	0.6	186	6:55:00 PM Sunday
10/13/2019 18:59	0.5	171	6:59:00 PM Sunday
10/13/2019 19:06	0.8	167	7:06:00 PM Sunday
10/13/2019 19:11	0.5	160	7:11:00 PM Sunday
10/13/2019 19:48	0.5	161	7:48:00 PM Sunday
10/13/2019 20:14	0.6	171	8:14:00 PM Sunday
10/13/2019 20:26	0.5	161	8:26:00 PM Sunday
10/13/2019 21:10	0.5	187	9:10:00 PM Sunday
10/13/2019 21:34	0.5	184	9:34:00 PM Sunday
10/13/2019 21:58	0.5	189	9:58:00 PM Sunday
10/13/2019 22:24	0.5	164	10:24:00 PM Sunday
10/13/2019 22:42	0.5	192	10:42:00 PM Sunday
10/13/2019 23:10	0.5	167	11:10:00 PM Sunday
10/13/2019 23:11	0.5	168	11:11:00 PM Sunday
10/13/2019 23:15	0.5	221	11:15:00 PM Sunday
10/13/2019 23:20	0.5	177	11:20:00 PM Sunday
10/13/2019 23:23	0.6	202	11:23:00 PM Sunday
10/13/2019 23:59	0.6	185	11:59:00 PM Sunday
10/14/2019 0:01	0.7	195	12:01:00 AM Monday
10/14/2019 0:02	0.5	202	12:02:00 AM Monday
10/14/2019 0:06	0.5	195	12:06:00 AM Monday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2	Average Wind Direction (5-minute Average)	Alert	
10/14/2019 0:11	0.6	217	12:11:00 AM	Monday
10/14/2019 0:12	0.6	219	12:12:00 AM	Monday
10/15/2019 12:50	0.5	240	12:50:00 PM	Tuesday
10/15/2019 12:56	0.6	187	12:56:00 PM	Tuesday
10/15/2019 13:07	0.5	219	1:07:00 PM	Tuesday
11/6/2019 16:17	0.5	246	4:17:00 PM	Wednesda
11/6/2019 16:39	0.5	201	4:39:00 PM	Wednesda
11/6/2019 16:43	0.6	221	4:43:00 PM	Wednesda
11/6/2019 16:45	0.7	208	4:45:00 PM	Wednesda
11/6/2019 16:46	0.5	208	4:46:00 PM	Wednesda
11/6/2019 16:57	0.6	202	4:57:00 PM	Wednesda
11/6/2019 22:17	0.5	180	10:17:00 PM	Wednesda
11/6/2019 22:43	0.5	204	10:43:00 PM	Wednesda
11/6/2019 23:11	0.6	184	11:11:00 PM	Wednesda
11/6/2019 23:36	0.5	196	11:36:00 PM	Wednesda
11/7/2019 0:20	0.5	176	12:20:00 AM	Thursday
11/7/2019 0:57	0.5	177	12:57:00 AM	Thursday
11/7/2019 1:34	0.7	203	1:34:00 AM	Thursday
11/9/2019 16:27	0.5	265	4:27:00 PM	Saturday
11/9/2019 16:30	0.5	251	4:30:00 PM	Saturday
11/9/2019 22:26	0.5	180	10:26:00 PM	Saturday
11/10/2019 7:17	0.5	195	7:17:00 AM	Sunday
2/21/2020 13:04	0.5	267	1:04:00 PM	Friday
2/22/2020 23:39	0.5	234	11:39:00 PM	Saturday
2/23/2020 7:19	0.5	195	7:19:00 AM	Sunday
2/23/2020 16:49	0.7	207	4:49:00 PM	Sunday
2/23/2020 17:10	0.5	228	5:10:00 PM	Sunday
2/23/2020 17:16	0.5	218	5:16:00 PM	Sunday
2/23/2020 17:24	0.5	193	5:24:00 PM	Sunday
3/10/2020 5:59	1.5	238	5:59:00 AM	Tuesday
3/10/2020 6:00	1.1	251	6:00:00 AM	Tuesday
3/10/2020 6:01	0.8	226	6:01:00 AM	Tuesday
3/10/2020 6:02	0.6	234	6:02:00 AM	Tuesday
3/10/2020 6:05	0.6	219	6:05:00 AM	Tuesday
3/10/2020 6:06	0.7	232	6:06:00 AM	Tuesday
3/10/2020 6:07	0.5	220	6:07:00 AM	Tuesday
3/10/2020 6:08	0.6	243	6:08:00 AM	Tuesday
3/10/2020 6:10	0.6	232	6:10:00 AM	Tuesday
3/10/2020 6:11	0.5	222	6:11:00 AM	Tuesday
3/10/2020 6:12	0.6	210	6:12:00 AM	Tuesday
3/10/2020 6:13	0.6	199	6:13:00 AM	Tuesday
3/10/2020 6:14	0.7	188	6:14:00 AM	Tuesday
3/10/2020 6:15	0.7	193	6:15:00 AM	Tuesday
3/10/2020 6:16	0.7	198	6:16:00 AM	Tuesday
3/10/2020 6:17	0.6	212	6:17:00 AM	Tuesday
3/10/2020 6:18	0.6	202	6:18:00 AM	Tuesday
3/10/2020 6:19	0.5	178	6:19:00 AM	Tuesday
3/10/2020 6:20	0.5	168	6:20:00 AM	Tuesday
3/10/2020 6:21	0.5	190	6:21:00 AM	Tuesday

PVS Analysis: SO2 Alerts by Date

Date/Time	SO2 (ppm)	Average Wind Direction (5-minute Average)	Alert
3/10/2020 6:27	0.6	203	6:27:00 AM Tuesday
3/10/2020 6:30	0.5	207	6:30:00 AM Tuesday
3/10/2020 6:31	0.5	206	6:31:00 AM Tuesday
3/10/2020 6:32	0.5	200	6:32:00 AM Tuesday
3/10/2020 6:34	0.5	201	6:34:00 AM Tuesday
3/10/2020 6:35	0.5	205	6:35:00 AM Tuesday
3/10/2020 6:36	0.5	201	6:36:00 AM Tuesday
3/10/2020 6:50	0.5	180	6:50:00 AM Tuesday
3/10/2020 6:51	0.6	188	6:51:00 AM Tuesday
3/10/2020 6:52	0.7	211	6:52:00 AM Tuesday
3/10/2020 6:53	0.5	196	6:53:00 AM Tuesday
3/10/2020 6:54	0.6	188	6:54:00 AM Tuesday
3/10/2020 6:57	0.5	168	6:57:00 AM Tuesday
3/10/2020 6:59	0.5	189	6:59:00 AM Tuesday
3/10/2020 7:00	0.6	164	7:00:00 AM Tuesday
3/10/2020 7:01	0.6	162	7:01:00 AM Tuesday
3/10/2020 7:02	0.6	152	7:02:00 AM Tuesday
3/10/2020 7:03	0.6	156	7:03:00 AM Tuesday
3/10/2020 7:04	0.5	154	7:04:00 AM Tuesday
3/10/2020 7:05	0.5	170	7:05:00 AM Tuesday
3/10/2020 7:06	0.5	174	7:06:00 AM Tuesday
3/10/2020 7:07	0.5	191	7:07:00 AM Tuesday
3/10/2020 7:08	0.6	190	7:08:00 AM Tuesday
3/10/2020 7:09	0.6	198	7:09:00 AM Tuesday
3/10/2020 7:10	0.5	201	7:10:00 AM Tuesday
3/10/2020 7:11	0.5	195	7:11:00 AM Tuesday
3/10/2020 7:13	0.5	186	7:13:00 AM Tuesday
3/10/2020 7:14	0.5	172	7:14:00 AM Tuesday
3/10/2020 7:15	0.5	169	7:15:00 AM Tuesday
3/10/2020 7:16	0.5	188	7:16:00 AM Tuesday
3/10/2020 7:17	0.6	189	7:17:00 AM Tuesday
3/10/2020 7:18	0.5	183	7:18:00 AM Tuesday
3/10/2020 7:19	0.5	181	7:19:00 AM Tuesday
3/10/2020 7:25	0.5	205	7:25:00 AM Tuesday
3/10/2020 7:26	0.5	189	7:26:00 AM Tuesday
3/20/2020 14:16	1.5	260	2:16:00 PM Friday
3/20/2020 14:17	5.4	260	2:17:00 PM Friday
3/20/2020 14:18	1.6	263	2:18:00 PM Friday
3/20/2020 14:19	1	262	2:19:00 PM Friday
3/20/2020 14:20	0.7	263	2:20:00 PM Friday
3/20/2020 14:21	0.6	255	2:21:00 PM Friday
3/20/2020 14:22	0.5	258	2:22:00 PM Friday
3/26/2020 10:39	0.5	206	10:39:00 AM Thursday
4/19/2020 10:50	0.5	249	10:50:00 AM Sunday

EXHIBIT

B



New York State Department of Environmental Conservation
Facility DEC ID: 9140200435

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-1402-00435/00037
Effective Date: 10/02/2017 Expiration Date: 10/01/2022

Permit Issued To: PVS CHEMICAL SOLUTIONS INC
55 LEE ST
BUFFALO, NY 14210

Contact: CHRISTOPHER J CANCELLA
PVS CHEMICAL SOLUTIONS INC
55 LEE ST
BUFFALO, NY 14210
(716) 825-5762

Facility: PVS CHEMICAL SOLUTIONS INC
55 LEE ST
BUFFALO, NY 14210

Description:

PVS Chemicals, Inc. (New York) is a manufacturer of all strengths and grades of sulfuric acid and oleum using the contact process. Other substances produced and stored at this facility include ammonium thiosulfate and sodium bisulfite. Raw materials for these processes include molten sulfur, spent sulfuric acid, anhydrous ammonia, sodium hydroxide and sodium carbonate. This facility is also a shipping terminal for hydrochloric acid, though this part of the facility is currently not operating.

The PVS Chemicals facility has the potential-to-emit sulfur dioxide (SO₂) at a rate greater than 250 tons per year and sulfuric acid mist at a rate greater than 100 tons per year but less than 250 tons per year. These emission rates are above the major source thresholds of 100 tons per year.

Changes within this permit renewal include:

- Addition of a sulfuric acid (expressed as 100 percent sulfuric acid) production limit of 300 tons per day. By accepting this limit, the facility will not be subject to continuous stack monitoring per 6 NYCRR 224.4(a)(2).
- Addition of a requirement cited under 6NYCRR Part 200.6 to assure compliance with the 1-hour SO₂ National Ambient Air Quality Standard (NAAQS) by maintaining a minimum scrubber efficiency.

DEC Permit Conditions
Renewal 2/FINAL

**New York State Department of Environmental Conservation**

Facility DEC ID: 9140200435

- Removal of emission unit U-00070, which had consisted of the aqueous diethanolamine sulfur dioxide adduct production process.
- A lowered sulfur in fuel limit per 6NYCRR Part 225 which applies to the use of distillate oil in the facility boiler. The new limit of 0.0015 percent sulfur by weight is stricter than the federal limit of 0.5 percent in 40 CFR 60.42c(d).

This Title V facility permit for PVS Chemicals contains all of the air emission sources at the facility organized as emission units. Each of the emission units contains emission sources with similar air pollution control requirements. All applicable air pollution control requirements are listed in this permit along with the appropriate monitoring, record keeping and reporting necessary to determine the compliance status of the facility. A general discussion of the Title V permit requirements follows.

Facility level requirements:

All of the permit requirements that apply to the entire facility are included in the facility section of the permit. These include all of the generally applicable air pollution control requirements that are part of every Title V facility permit issued in New York. Of specific note are conditions under 6 NYCRR Parts 202-2 and 201-6 that specify the submission of an annual facility emission statement, and annual and semi-annual compliance monitoring reports.

Emission Unit U-00010:

Spent sulfuric acid is received at PVS in tank trailer and tank car quantities and transferred into one of three storage tanks. This emission unit is comprised of three bulk chemical tanks storing spent sulfuric acid. All three tanks vent to atmosphere. Spent sulfuric acid is generally comprised of 60%-95% H₂SO₄, with hydrocarbons and water as contaminants.

Emission Unit U-00020:

This emission unit is composed of equipment and processes necessary to generate sulfur dioxide by thermally decomposing spent sulfuric acid or by burning elemental sulfur in the presence of excess oxygen; and catalytically converting sulfur dioxide to sulfur trioxide which is then absorbed in strong sulfuric acid to produce saleable commercial grades of sulfuric acid and oleum.

**New York State Department of Environmental Conservation**

Facility DEC ID: 9140200435

The process exhaust goes through a packed wet scrubber which uses an alkaline solution to remove sulfur dioxide from the gas stream before being emitted at emission point 00005. The permit contains a condition requiring the scrubber to undergo performance testing at least once every five years to show compliance with the minimum 94% overall sulfur dioxide control efficiency rate for the packed wet scrubber as required by 6 NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of more than 100 but no more than 500 pounds per hour. This emission limitation is equivalent to the new source standard per 6 NYCRR Part 224 of 4 pounds SO₂ per ton of sulfuric acid produced. A performance test of the scrubber was completed in 2016 with a result of 99+% overall control efficiency.

The scrubber is also subject to 40 CFR 52 Compliance Assurance Monitoring (CAM). The indicators specified in the CAM Plan are the scrubber solution pH in both the upper and lower sections of the scrubber, and the scrubber solution flow rate.

The permit also requires hourly physical observation for visible opacity at emission point 00005 in accordance with 6NYCRR Part 212-1.6(a).

Emission Unit U-00030:

This emission unit is composed of the molten sulfur and sulfuric acid storage tanks located at the facility. The processes associated with this emission unit have emissions of regulated air pollutants at insignificant levels. No specific federally enforceable conditions are associated with this emission unit with the exception of a general requirement that PVS maintain records indicating that emissions from this unit remain at insignificant levels.

Emission Unit U-00040:

This emission unit is composed of the high purity sulfuric acid processes, including all of the associated processing, storage, and air pollution control equipment. The permit requires physical observation for visible opacity at emission points 00006 and 00007 once per hour per 6NYCRR Part 212-1.6(a). The packed wet scrubber is subject to 6NYCRR Part 212-2.3(a) and must be operated at all times, with hourly verification of

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fluid flow through the scrubber and continuous monitoring of the acid strength of the scrubber fluid. The acid strength must remain at or above 98 percent. Included in this permit are monitoring and reporting requirements to assure compliance with these regulations.

Emission Unit U-00050:

This emission unit is composed of a series of 31% and 35% hydrochloric acid tanks that are connected in a vent manifold and vented through a wet scrubber. Emissions from this unit are insignificant; therefore, no specific federally enforceable regulatory requirements apply with the exception of a general requirement that PVS maintain records indicating that emissions from this unit remain at insignificant levels. The emission limitations are included in the state enforceable only section of this Title V permit and as such will not be federally enforceable. This emission unit is currently not operating.

Emission Unit U-00060:

This emission unit includes all equipment and processes necessary to produce ammonium thiosulfate solution. All process gases are vented through an alkaline scrubber to remove sulfur dioxide and an acidic scrubber to remove ammonia. The scrubbers are regulated by 6NYCRR Part 212-2.3(b). The alkaline scrubber fluid must be maintained at a pH of at least 5.5 units. The acidic scrubber fluid must be maintained at a pH of less than 7.0 units. The permit also requires physical observation for visible opacity at emission point 00160 daily in accordance with 6NYCRR Part 212-1.6(a). Included in this permit are monitoring and reporting requirements to assure compliance with these regulations.

Emission Unit U-00080:

This emission unit includes packed towers where aqueous sodium bisulfite is formed by combining sulfur dioxide and water with sodium carbonate or sodium hydroxide. The reaction is carried out with gas flowing countercurrent to liquid. Process gasses are vented to an alkaline scrubber to remove sulfur dioxide. Also included are three sodium bisulfite storage tanks. The scrubber is regulated by 6NYCRR Part 212-2.3(a) and must maintain a pH of at least 7.5 units and control sulfur dioxide emissions to a minimum of 91%. Included in this permit are monitoring and reporting requirements to assure compliance with these regulations.

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Emission Unit U-00090:

This emission unit consists of a 25 million Btu per hour boiler that can burn natural gas, number 2 or number 3 fuel oil. This boiler provides steam for use at various processes throughout the facility. Opacity of emissions from the boiler is limited per 6 NYCRR Part 227-1 and the boiler must burn low sulfur fuel oil per 6 NYCRR Part 225-1. Included in this permit are monitoring and reporting requirements to assure compliance with these regulations.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: LISA M CZECHOWICZ
NYSDEC - REGION 9
270 MICHIGAN AVE
BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: ____ / ____ / ____

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Notification of Other State Permittee Obligations**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



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LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and
Determinations
Applications for permit renewals, modifications and transfers
Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or
renewal-REGION 9 HEADQUARTERS

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DEC GENERAL CONDITIONS****** General Provisions ******

**For the purpose of your Title V permit, the following section contains
state-only enforceable terms and conditions.**

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 3.3

Permits are transferrable with the approval of the department unless specifically prohibited by

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the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department**Applicable State Requirement: 6 NYCRR 621.13****Item 4.1:**

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ********Condition 5: Submission of application for permit modification or renewal-REGION 9****HEADQUARTERS****Applicable State Requirement: 6 NYCRR 621.6 (a)****Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: PVS CHEMICAL SOLUTIONS INC
55 LEE ST
BUFFALO, NY 14210

Facility: PVS CHEMICAL SOLUTIONS INC
55 LEE ST
BUFFALO, NY 14210

Authorized Activity By Standard Industrial Classification Code:
2819 - INDUSTRIAL INORGANIC CHEMICALS
9999 - NONCLASSIFIABLE ESTABLISHMENTS

Permit Effective Date: 10/02/2017

Permit Expiration Date: 10/01/2022



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LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR 200.6: Compliance Certification
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 24 6 NYCRR 211.1: Air pollution prohibited
- 25 6 NYCRR 212-1.6 (a): Compliance Certification
- 26 6 NYCRR 212-1.6 (a): Compliance Certification
- 27 6 NYCRR 212-1.6 (a): Compliance Certification
- 28 6 NYCRR 212-2.3 (a): Compliance Certification
- 29 6 NYCRR 224.4 (a) (2): Compliance Certification

Emission Unit Level

- 30 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 31 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00020

- 32 40 CFR Part 64: Compliance Certification

EU=U-00020,EP=00005,Proc=002

- 33 6 NYCRR 224.2 (b) (1): Compliance Certification

EU=U-00020,EP=00005,Proc=002,ES=00007

- 34 6 NYCRR 212-2.3 (a): Compliance Certification
- 35 6 NYCRR 212-2.3 (a): Compliance Certification
- 36 6 NYCRR 212-2.3 (a): Compliance Certification

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37 6 NYCRR 212-2.3 (a): Compliance Certification

EU=U-00060,EP=00160,Proc=012,ES=00161

38 6 NYCRR 212-2.3 (a): Compliance Certification

EU=U-00080,EP=00182,Proc=015,ES=00182

39 6 NYCRR 212-2.3 (a): Compliance Certification

40 6 NYCRR 212-2.3 (a): Compliance Certification

EU=U-00090

41 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-00090,Proc=018

42 6 NYCRR 225-1.2 (h): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS**Facility Level**

43 ECL 19-0301: Contaminant List

44 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

Emission Unit Level**EU=U-00050,EP=00150**

45 6 NYCRR 212-2.3 (b): Compliance Demonstration

EU=U-00060,EP=00160,Proc=012,ES=00160

46 6 NYCRR 212-2.3 (b): Compliance Demonstration

EU=U-00080,Proc=016,ES=00181

47 6 NYCRR 212-2.3 (b): Compliance Demonstration



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FEDERALLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and



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reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR 201-6.4 (a) (9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR 201-6.4 (g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V



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facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of therequirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit

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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 10/02/2017 and 10/01/2022****Applicable Federal Requirement: 6 NYCRR 200.6****Item 1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where



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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all

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reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements,



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the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual



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report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as

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specified in any special permit terms or conditions;
and
- such additional requirements as may be specified
elsewhere in this permit related to compliance
certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2915

The address for the BQA is as follows:

NYSDEC



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Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April
15th each year for emissions of the previous calendar
year.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission
statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the
department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 215.2

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Item 9.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all



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Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 10/02/2017 and 10/01/2022



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Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: Right to Inspect
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Off Permit Changes
Effective between the dates of 10/02/2017 and 10/01/2022

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Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)**Item 17.1:**

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 202-1.1**Item 18.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:40 CFR Part 68**Item 19.1:**

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

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1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 40 CFR 82, Subpart F

Item 20.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 21: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 200.6

Item 21.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

PVS must assure compliance with the 1-hour sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS) which is 75 ppb (99th percentile of 1-hour daily maximum concentrations, averaged over 3 years) which is equivalent to 196.5 microgram per cubic meter. The predominant source of SO₂ emissions from the facility is emission unit 00002 which is the sulfuric acid production process (process 002) exhausting to a two-stage wet scrubber (emission source 00007) and venting through emission point #5. Other



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facility processes contribute 4.1 pounds per hour (according to company submitted emission statements) to the facility-wide SO₂ emissions.

Performance testing conducted on the two-stage wet scrubber on April 27, 2016 resulted in an average SO₂ emission rate equal to 1.4 pounds per hour and a scrubber control efficiency of 99.7%. The reported average daily production rate for the week of the test equaled 255 tons per day.

PVS has chosen to maintain a sulfuric acid production rate of less than 300 ton per day, therefore not requiring continuous stack monitoring per 6NYCRR 224.4(a)(2). The scrubber must have a minimum 94% overall sulfur dioxide control efficiency as required by 6 NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of more than 100 but no more than 500 pounds per hour.

An extrapolation of the performance test results using these parameters (94% control and 300 tons per day production) provides a SO₂ emission rate equal to 33 pounds per hour. A run of the air dispersion model AERSCREEN using these values at emission point #5 results in a maximum 1-hr impact which exceeds the NAAQS standard. In order to limit the maximum 1-hour impact to less than the NAAQS, the maximum allowable emission rate from the facility is 28.7 pounds per hour. Factoring in the 4.1 pounds per hour contributed to the total emission rate from other facility processes, the two-stage wet scrubber must have a control efficiency of at least 96% in order to assure compliance with the 1-hour SO₂ NAAQS.

PVS can perform refined modeling via AERMOD to better define the maximum 1-hour SO₂ impact for comparison to the NAAQS. If this option is chosen, PVS must submit an air dispersion modeling protocol to the Department for review and approval before performing the modeling. If the modeling determines that a lower scrubber control efficiency assures compliance with the 1-hour SO₂ NAAQS, the modeled efficiency will be the permitted requirement. Please note that the modeled value cannot be less than 94% as prescribed by 6NYCRR Part 212.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

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Condition 22: Emission Unit Definition
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 22.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00010

Emission Unit Description:

Spent sulfuric acid is received at PVS in tank trailer and tank car quantities and transferred into one of three storage tanks. This emission unit is comprised of three bulk chemical tanks storing spent sulfuric acid. All three tanks vent to atmosphere. Spent sulfuric acid is generally comprised of 60%-95% H₂SO₄, with hydrocarbons and water as contaminants.

Building(s): YARD

Item 22.2:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00020

Emission Unit Description:

Sulfur dioxide (SO₂) is generated by thermally decomposing spent sulfuric acid (H₂SO₄) or by burning elemental sulfur in the presence of excess oxygen. The SO₂ is then catalytically converted to sulfur trioxide (SO₃) and absorbed in strong sulfuric acid to produce saleable commercial grades of sulfuric acid and fuming sulfuric acid (oleum).

Building(s): B3
YARD

Item 22.3:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00030

Emission Unit Description:

Molten sulfur is received from off-site and transferred into storage vessels to satisfy production demand. Also, during the course of production and sales, sulfuric acid storage tanks are filled and emptied. This emission unit is comprised of all molten sulfur and sulfuric acid storage tanks at PVS.

Building(s): YARD

Item 22.4:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00040

Emission Unit Description:



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As sales distribution mandates, sulfur trioxide (SO₃) is stripped from a stream of fuming sulfuric acid in an evaporator. The SO₃ is combined with pure water in specialty constructed absorption columns to form high purity sulfuric acid. The high purity sulfuric acid processes are connected to a scrubber which removes free SO₃ and H₂SO₄ aerosol from the gas stream before being emitted. There are several tanks associated with the high purity sulfuric acid process.

Building(s): B2

Item 22.5:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00050

Emission Unit Description:

A series of 31% and 35% hydrochloric acid storage tanks are connected in a vent manifold and vented through a wet scrubber. Activities at this emission unit include transfers to and from the storage tanks.

Building(s): YARD

Item 22.6:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00060

Emission Unit Description:

Sulfur dioxide, ammonia and water are combined to form an aqueous mixture of ammonium sulfite and ammonium bisulfite. All ammonium bisulfite is then driven to sulfite with the addition of ammonia. The ammonium sulfite is heated and excess sulfur is added to produce ammonium thiosulfate solution. All process gases are vented through a scrubber system before being exhausted to atmosphere.

Building(s): B4

Item 22.7:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00080

Emission Unit Description:

Aqueous sodium bisulfite is formed by combining sulfur dioxide and water with sodium carbonate or sodium hydroxide. Reaction is carried out in packed towers with gas flowing countercurrent to liquid followed by liquid finishing in tanks to meet product specifications. Process gasses are vented to an alkaline scrubber to remove SO₂. This emission unit includes a vent manifold for three sodium bisulfite storage tanks and a bulk sodium carbonate receiving system.

Building(s): B3



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Item 22.8:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00090

Emission Unit Description:

Natural gas or #2/#3 fuel oil is burned in a 25.0 MBtu/hr package boiler to generate steam for the facility.

Building(s): B1

Condition 23: Progress Reports Due Semiannually
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 23.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 24: Air pollution prohibited
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 211.1

Item 24.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 25: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 212-1.6 (a)

Item 25.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00020

Emission Point: 00005



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Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility owner and/or operator shall physically observe emission point 00005 hourly to monitor for unusual opacity conditions. If visible emissions above those that are normal and in compliance with section 212-1.6(a) are detected (this may be zero percent opacity for many or all stacks), the facility owner shall determine the cause immediately and make the necessary correction. The records of these observations will be recorded in a log at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the facility owner will conduct a Method 9 assessment to determine the degree of opacity.

If the opacity is determined to exceed the limits of section 212-1.6(a), the facility will be determined to be in violation, will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

PVS maintains a video monitor which is used to periodically observe emission point 00005 for unusual opacity conditions and hastens operator response to opacity problems.

A semi-annual report shall be submitted to the Department that summarizes the opacity compliance history of the emission point for the previous six months.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: HOURLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

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Condition 26: Compliance Certification

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)**Item 26.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00040

Emission Point: 00006

Emission Unit: U-00040

Emission Point: 00007

Regulated Contaminant(s):

CAS No: 007664-93-9

SULFURIC ACID

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility owner and/or operator shall physically observe emission points 00006 & 00007 hourly to monitor for unusual opacity conditions. If visible emissions above those that are normal and in compliance with section 212-1.6(a) are detected (this may be zero percent opacity for many or all stacks), the facility owner shall determine the cause immediately and make the necessary correction. The records of these observations will be recorded in a log at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the facility owner will conduct a Method 9 assessment to determine the degree of opacity.

If the opacity is determined to exceed the limits of section 212-1.6(a), the facility will be determined to be in violation, will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

A semi-annual report shall be submitted to the Department that summarizes the opacity compliance history of the emission point for the previous six months.



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Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: HOURLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 27.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00060

Emission Point: 00160

Regulated Contaminant(s):

CAS No: 010196-04-0 SULFUROUS ACID, DIAMMONIUM SALT

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility owner and/or operator shall physically observe emission point 00160 daily to monitor for unusual opacity conditions. If visible emissions above those that are normal and in compliance with section 212-1.6(a) are detected (this may be zero percent opacity for many or all stacks), the facility owner shall determine the cause immediately and make the necessary correction. The records of these observations will be recorded in a log at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the facility owner will conduct a Method 9 assessment to determine the degree of opacity.

If the opacity is determined to exceed the limits of section 212-1.6(a), the facility will be determined to be in violation, will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall



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apply.

PVS maintains a video monitor which is used to periodically observe emission point 00160 for unusual opacity conditions and hastens operator response to opacity problems.

A semi-annual report shall be submitted to the Department that summarizes the opacity compliance history of the emission point for the previous six months.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

Condition 28: Compliance Certification

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)

Item 28.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00040

Emission Point: 00006

Emission Unit: U-00040

Emission Point: 00007

Regulated Contaminant(s):

CAS No: 007664-93-9

SULFURIC ACID

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

PVS must operate the two wet packed tower scrubbers (emission sources 00006 & 0007A) to assure compliance with the minimum 96% overall sulfur trioxide and sulfuric acid control efficiencies as required by 6NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at all times. Compliance will be assured by surrogate parametric monitoring as described below.



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The scrubber fluid shall be monitored at least once per hour during production for the existence of flow through the scrubber and continuously for sulfuric acid concentration. The recirculating scrubber fluid shall be at least 98% sulfuric acid. The packed tower scrubber and the scrubber conductivity sensor and alarm must be operated and maintained in accordance with manufacturer's recommendations. A daily log must be maintained on site to record the observations of flow and concentration (at least hourly readings) and any equipment maintenance and repairs.

A semi-annual report shall be submitted to the Department that summarizes the operating history of the scrubber for the previous six months and lists any deviations from permit requirements.

All records are to be kept on site for a period of five years and made available to Department representatives during normal business hours.

Parameter Monitored: SULFURIC ACID

Lower Permit Limit: 98 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

Condition 29: Compliance Certification

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 224.4 (a) (2)

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Actual production of sulfuric acid (expressed as 100 percent sulfuric acid) is limited to 300 tons per day. By accepting this limit, the facility will not be subject to



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continuous stack monitoring per 6 NYCRR 224.4(a)(2).

PVS will quantify the actual amount of sulfuric acid (expressed as 100 percent sulfuric acid) produced on a weekly basis and calculate the average daily production rate for the specific week. Records of both the total weekly and average daily production rates must be submitted with each Semi-Annual Monitoring Report and kept on site for five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: 100% H₂SO₄ (sulfuric acid)

Parameter Monitored: PRODUCT

Upper Permit Limit: 300 tons per day

Monitoring Frequency: WEEKLY

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

****** Emission Unit Level ******

Condition 30: Emission Point Definition By Emission Unit
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 30.1:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00010

Emission Point: 00102

Height (ft.): 35

Diameter (in.): 3

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Emission Point: 00103

Height (ft.): 35

Diameter (in.): 3

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Emission Point: 00113

Height (ft.): 40

Diameter (in.): 3

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Item 30.2:

The following emission points are included in this permit for the cited Emission Unit:

Air Pollution Control Permit Conditions

Renewal 2

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Emission Unit: U-00020

Emission Point: 00005

Height (ft.): 75

Diameter (in.): 42

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Item 30.3:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00030

Emission Point: 00018

Height (ft.): 24

Diameter (in.): 8

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Emission Point: 00019

Height (ft.): 38

Diameter (in.): 6

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Emission Point: 00020

Height (ft.): 38

Diameter (in.): 5

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Emission Point: 00022

Height (ft.): 40

Diameter (in.): 3

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Emission Point: 00023

Height (ft.): 40

Diameter (in.): 3

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Emission Point: 00029

Height (ft.): 2 Length (in.): 26

Width (in.): 18

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: YARD

Item 30.4:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00040

Emission Point: 00006

Height (ft.): 28

Diameter (in.): 6

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: B2

Emission Point: 00007

Height (ft.): 10

Diameter (in.): 6

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: B2

Emission Point: 00141

Height (ft.): 10

Diameter (in.): 4

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: B2

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Emission Point: 00142			
Height (ft.): 10	Diameter (in.): 4		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B2	
Emission Point: 00143			
Height (ft.): 10	Diameter (in.): 4		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B2	
Emission Point: 00144			
Height (ft.): 10	Diameter (in.): 4		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B2	
Emission Point: 00147			
Height (ft.): 10	Diameter (in.): 4		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B2	
Emission Point: 00148			
Height (ft.): 10	Diameter (in.): 4		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B2	
Emission Point: 00149			
Height (ft.): 10	Diameter (in.): 4		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B2	
Emission Point: 00341			
Height (ft.): 10	Diameter (in.): 4		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B2	
Emission Point: 00342			
Height (ft.): 10	Diameter (in.): 4		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B2	

Item 30.5:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00050			
Emission Point: 00150			
Height (ft.): 20	Diameter (in.): 10		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: YARD	

Item 30.6:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00060			
Emission Point: 00160			
Height (ft.): 46	Diameter (in.): 12		
NYTMN (km.): 4752.92	NYTME (km.): 186.109	Building: B4	

Item 30.7:

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The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00080

Emission Point: 00180

Height (ft.): 24

Diameter (in.): 2

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: B3

Emission Point: 00181

Height (ft.): 40

Diameter (in.): 6

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: B3

Emission Point: 00182

Height (ft.): 35

Diameter (in.): 10

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: B3

Item 30.8:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00090

Emission Point: 00028

Height (ft.): 40

Diameter (in.): 18

NYTMN (km.): 4752.92

NYTME (km.): 186.109

Building: B1

Condition 31: Process Definition By Emission Unit

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 31.1:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00010

Process: 001

Source Classification Code: 3-01-023-21

Process Description:

Spent sulfuric acid is received from off-site in railroad tank cars and in tank trailers. As spent sulfuric acid is transferred into a storage tank, the tank is vented to the atmosphere through a flame arrester. There are three spent sulfuric acid storage tanks for this process on site which can receive spent sulfuric acid at any time of day or night.

Emission Source/Control: 00102 - Process

Design Capacity: 75 1000 gallons

Emission Source/Control: 00103 - Process

Design Capacity: 75 1000 gallons

Emission Source/Control: 00113 - Process

Design Capacity: 150 1000 gallons

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Facility DEC ID: 9140200435

Item 31.2:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00020

Process: 002

Source Classification Code: 3-01-023-01

Process Description:

Sulfur dioxide (SO₂) is generated by thermally decomposing spent sulfuric acid (H₂SO₄) or by burning elemental sulfur in the presence of excess oxygen. The SO₂ is then catalytically converted to sulfur trioxide (SO₃) and absorbed in strong sulfuric acid to produce saleable commercial grades of sulfuric acid and fuming sulfuric acid (oleum).

Emission Source/Control: 00005 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 00007 - Control

Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: 0006A - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 00003 - Process

Design Capacity: 220 tons per day

Emission Source/Control: 00004 - Process

Design Capacity: 220 tons per day

Item 31.3:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00030

Process: 003

Source Classification Code: 3-99-999-94

Process Description:

Molten sulfur is received from off-site in railroad tank cars and in tank trailers. As molten sulfur is transferred into a storage tank, the tank is vented to the atmosphere. Some breathing losses also occur at the storage vessel. There are two molten sulfur storage vessels on site which can receive molten sulfur at any time of day or night.

Emission Source/Control: 00018 - Process

Design Capacity: 1,000 tons

Emission Source/Control: 00029 - Process

Design Capacity: 100 tons

Item 31.4:

This permit authorizes the following regulated processes for the cited Emission Unit:

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Emission Unit: U-00030

Process: 004

Source Classification Code: 3-99-999-94

Process Description:

As sulfuric acid is added to a storage vessel, the storage vessel is vented to the atmosphere. Some breathing losses also occur at the storage vessel. There are a total of four vessels storing sulfuric acid.

Emission Source/Control: 00019 - Process

Design Capacity: 75 1000 gallons

Emission Source/Control: 00020 - Process

Design Capacity: 75 1000 gallons

Emission Source/Control: 00022 - Process

Design Capacity: 150 1000 gallons

Emission Source/Control: 00023 - Process

Design Capacity: 150 1000 gallons

Item 31.5:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00040

Process: 005

Source Classification Code: 3-01-023-21

Process Description:

Gaseous sulfur trioxide (SO₃) is absorbed into strong sulfuric acid in two absorption towers to form fuming sulfuric acid (oleum). The two pump tanks used for circulating the oleum over the towers are vented to the oleum scrubber.

Emission Source/Control: 00006 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 00025 - Process

Item 31.6:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00040

Process: 009

Source Classification Code: 3-01-023-21

Process Description:

As sales distribution mandates, sulfur trioxide (SO₃) is stripped from a stream of fuming sulfuric acid in an evaporator. The SO₃ is mixed with clean dry air is then combined with pure water in specialty constructed absorption columns to form high purity sulfuric acid. As the dry air exits the process, it carries sulfuric acid mist. The specialty construction absorption columns are vented to the oleum scrubbers to remove acid mist carryover. Finished product is transferred to a series of

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storage tanks which are vented to atmosphere.

Emission Source/Control: 00006 - Control
Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 0007A - Control
Control Type: SCRUBBER - PACKED BED

Emission Source/Control: 00140 - Process

Emission Source/Control: 00141 - Process

Emission Source/Control: 00142 - Process

Emission Source/Control: 00143 - Process

Emission Source/Control: 00144 - Process

Emission Source/Control: 00147 - Process

Emission Source/Control: 00148 - Process

Emission Source/Control: 00149 - Process

Emission Source/Control: 00240 - Process

Emission Source/Control: 00340 - Process

Emission Source/Control: 00341 - Process

Emission Source/Control: 00342 - Process

Item 31.7:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00050

Process: 010

Source Classification Code: 3-01-011-98

Process Description:

Hydrochloric acid at strengths ranging from 30% to 35% is received in railroad tank cars and tank trailers. The HCL transferred from the shipping containers into a series of three storage tanks all connected with a common vent header. The vent header vents through a scrubber before being exhausted to atmosphere.

Emission Source/Control: 00150 - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00151 - Process
Design Capacity: 25,000 gallons

Emission Source/Control: 00152 - Process



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Design Capacity: 25,000 gallons

Emission Source/Control: 00153 - Process

Design Capacity: 25,000 gallons

Item 31.8:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00050

Process: 011

Source Classification Code: 3-01-011-98

Process Description:

Hydrochloric acid at strengths ranging from 30% to 35% is received in railroad tank cars and tank trailers. The HCL is transferred from the shipping containers into a series of nine storage tanks. The HCL is then transferred into shipping vessels for distribution. Transfer operations are vented back to the vent header and then through a scrubber before being exhausted to atmosphere.

Emission Source/Control: 00150 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00159 - Process

Design Capacity: 10,000 tons per year

Item 31.9:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00060

Process: 012

Source Classification Code: 3-01-999-98

Process Description:

Sulfur dioxide, ammonia and water are combined in a gassing tank to form an aqueous mixture of ammonium sulfite and ammonium bisulfite. This is an intermediate in the production of ammonium thiosulfate solution. All process gasses from the gassing tank are vented through an alkaline scrubber to remove SO₂ and an acidic scrubber to remove NH₃. Ammonia is used to neutralize an aqueous mixture of ammonium sulfite and ammonium bisulfite in the digest tank. After neutralization, the solution is heated and molten sulfur is added to the mixture to form ammonium thiosulfate solution. All process gasses are vented through an alkaline scrubber to remove SO₂ and an acidic scrubber to remove NH₃.

Emission Source/Control: 00160 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 00161 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 00162 - Process

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Design Capacity: 50,000 tons per year

Item 31.10:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00080

Process: 015

Source Classification Code: 3-01-009-05

Process Description:

Aqueous sodium bisulfite is formed by combining sulfur dioxide and water with sodium carbonate or sodium hydroxide. Reaction is carried out in packed towers with gas flowing countercurrent to liquid followed by liquid finishing in tanks to meet product specifications. Process gasses are vented to an alkaline scrubber to remove SO₂. As sodium bisulfite solution is produced, it is transferred to three storages which are vented through a common vent header to atmosphere.

Emission Source/Control: 00180 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00182 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 00183 - Process

Design Capacity: 42,000 gallons

Emission Source/Control: 00185 - Process

Design Capacity: 16,000 tons per year

Item 31.11:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00080

Process: 016

Source Classification Code: 3-01-021-22

Process Description:

Sodium carbonate is received in bulk dry powder form and is transferred into storage via pneumatic conveyor. A two stage spray scrubber is used to remove particles from the loading air system.

Emission Source/Control: 00181 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00184 - Process

Design Capacity: 30,000 gallons

Item 31.12:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00090

Process: 017

Source Classification Code: 1-02-006-02



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Process Description:

Natural gas is burned in a 25.0 million Btu/hr fire tube package boiler to generate steam for the facility. Although boiler is rated for 25.0 million Btu/hr, boiler routinely operates at less than 20% of capacity in modulating mode. Note: package boiler has dual fuel capability and can burn up to 166 gals/hr of #2 fuel oil in place of natural gas.

Emission Source/Control: 00028 - Combustion

Design Capacity: 25,000,000 British thermal units per hour

Item 31.13:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00090

Process: 018

Source Classification Code: 1-02-006-02

Process Description:

#2 or #3 fuel oil is burned in a 25.0 million Btu/hr fire tube package boiler to generate steam for the facility. Although the boiler is rated for 25.0 million btu/hr, the boiler routinely operates at less than 20% of capacity in modulating mode. This boiler has dual fuel capability (fuel oil or natural gas).

Emission Source/Control: 00028 - Combustion

Design Capacity: 25,000,000 British thermal units per hour

Condition 32: Compliance Certification

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 40 CFR Part 64

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

PVS Inc. is subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) since the facility has potential pre-control device SO₂ emissions greater than 100 tons per year, which is the major source threshold level, and a control device is used to achieve compliance with an emission standard. This rule required PVS to



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submit a CAM Plan which detailed and justified the monitoring indicators and performance criteria used at the facility to assure proper operation of the control device.

The CAM Plan, dated August, 2008, was prepared by Benchmark Environmental Engineering & Science, PLLC. The plan was submitted to the Department and is re-approved via the issuance of this permit. The plan has been incorporated into the permit via specific permit conditions.

The indicators specified in the CAM Plan are the scrubber solution pH in both the upper and lower sections of the scrubber, and the scrubber solution flow rate. If any pH or flow readings, on an hourly average basis, do not meet the following standards, they will be considered excursions requiring follow-up action:

Lower scrubber section pH must be between 4.0 and 6.0 units.

Upper scrubber section pH must be no less than 6.2 units.

Both scrubber sections solution flow rate must be no less than 220 gpm.

PVS is required to maintain and operate all monitoring equipment at all times while Process 002 is operating. If either PVS or the Department determines that there is a need for an improved monitoring plan, PVS may be required to develop a Quality Improvement Plan (QIP) per 40CFR Part 64.8.

In addition to the semi-annual reporting requirements of 6NYCRR Part 201-6.4(c), 201-6.4(c)(3)(ii), and 201-6.4(e) in Permit Conditions #3, 5, & 6, respectively, PVS must, to satisfy the reporting requirements of 40CFR Part 64.9, include information with those semi-annual reports which summarizes:

1. the number, duration, and cause of exceedances; and corrective actions taken;
2. the number, duration and cause for monitor downtime incidents; and
3. description of the actions taken to implement a QIP during the reporting period, if necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Certification**Effective between the dates of 10/02/2017 and 10/01/2022****Applicable Federal Requirement: 6 NYCRR 224.2 (b) (1)****Item 33.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Emission Point: 00005

Process: 002

Regulated Contaminant(s):

CAS No: 007664-93-9

SULFURIC ACID

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PVS Chemicals must assure compliance with the sulfuric acid mist emission standard of 0.50 pounds per ton of sulfuric acid produced (as expressed as 100 percent H₂SO₄) as required by 6 NYCRR Part 224.2(b)(1). To assure on-going compliance, the mist eliminators (emission controls 00005 & 0006A) must be maintained in good working order.

Compliance with the emission standard must be verified via performance testing in accordance with 40CFR60, Appendix A, Method 8 once every five years, based on the date of the previous test.

Test protocol(s) shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at least 60 days prior to the proposed test date(s). Department staff will be afforded the opportunity to witness the performance test by notifying the RAPCE of the actual test date. A test report shall be submitted to the RAPCE within 60 days of test completion.

Upper Permit Limit: 0.50 pounds per ton

Reference Test Method: USEPA Reference Method 8

Monitoring Frequency: Once every five years

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).



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Condition 34: Compliance Certification

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Emission Point: 00005

Process: 002

Emission Source: 00007

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The packed wet scrubber will be operated to control sulfur dioxide emissions to a minimum of 94% at all times as required by 6 NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of more than 100 but no more than 500 pounds per hour. This emission limitation is equivalent to the new source standard per 6 NYCRR Part 224 of 4 lb SO₂ per ton of sulfuric acid produced. Compliance will be assured by surrogate parametric monitoring as described below.

The pH of the scrubber solution will be continuously monitored in the lower section of the scrubber. The pH of the lower section must be no less than 4.0 units but no more than 6.0 units on an hourly average. A daily log must be maintained on site to record the hourly observations of pH and any equipment maintenance and repairs.

Any excursions from the required pH must be reported to the Department within two working days of the occurrence. A written report detailing the occurrence and providing an evaluation of the effect of the excursion on compliance with the minimum scrubber control efficiency must be submitted to the Department within 30 days.

The packed tower scrubber and the scrubber pH monitor must be operated and maintained in accordance with manufacturer's recommendations.

A semi-annual report shall be submitted to the Department that summarizes the operating history of the scrubber for

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the previous six months and lists any deviations from permit requirements.

All records are to be kept on site for a period of five years and made available to Department representatives during normal business hours.

Parameter Monitored: PH

Lower Permit Limit: 4.0 pH (STANDARD) units

Upper Permit Limit: 6.0 pH (STANDARD) units

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification**Effective between the dates of 10/02/2017 and 10/01/2022****Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)****Item 35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Emission Point: 00005

Process: 002

Emission Source: 00007

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The packed wet scrubber will be operated to control sulfur dioxide emissions to a minimum of 94% at all times as required by 6 NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of more than 100 but no more than 500 pounds per hour. This emission limitation is equivalent to the new source standard per 6 NYCRR Part 224 of 4 lb SO₂ per ton of sulfuric acid produced. Compliance will be assured by surrogate parametric monitoring as described below..

The pH of the scrubber solution will be continuously monitored in the upper section of the scrubber. The pH of the upper section will not be less than 6.2 units on an

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hourly average. A daily log must be maintained on site to record the hourly observations of pH and any equipment maintenance and repairs.

Any excursions from the required pH must be reported to the Department within two working days of the occurrence. A written report detailing the occurrence and providing an evaluation of the effect of the excursion on compliance with the minimum scrubber control efficiency must be submitted to the Department within 30 days.

The packed tower scrubber and the scrubber pH monitor must be operated and maintained in accordance with manufacturer's recommendations.

A semi-annual report shall be submitted to the Department that summarizes the operating history of the scrubber for the previous six months and lists any deviations from permit requirements.

All records are to be kept on site for a period of five years and made available to Department representatives during normal business hours.

Parameter Monitored: PH
Lower Permit Limit: 6.2 pH (STANDARD) units
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020	Emission Point: 00005
Process: 002	Emission Source: 00007

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

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PVS Chemicals must assure compliance with the minimum 94% overall sulfur dioxide control efficiency rate for the packed wet scrubber as required by 6 NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of more than 100 but no more than 500 pounds per hour. This emission limitation is equivalent to the new source standard per 6 NYCRR Part 224 and 40 CFR 60 Subpart H of 4 lb sulfur dioxide per ton of sulfuric acid produced.

The control efficiency was verified on April 27, 2016 via performance testing in accordance with 40CFR60, Appendix A, Method 6C. The performance test determining the control efficiency of the scrubber must be performed, in accordance with 40CFR60, Appendix A, Method 6C, once every five years, based on the date of the previous test. The performance test must include scrubber flow and the pH of each scrubber section as test parameters.

Test protocol(s) shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at least 60 days prior to the proposed test date(s). Department staff will be afforded the opportunity to witness the performance test by notifying the RAPCE of the actual test date. A test report shall be submitted to the RAPCE within 60 days of test completion.

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 94 percent

Reference Test Method: USEPA Reference Method 6C

Monitoring Frequency: Once every five years

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Emission Point: 00005

Process: 002

Emission Source: 00007

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

**New York State Department of Environmental Conservation**

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Facility DEC ID: 9140200435

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The packed wet scrubber will be operated to control sulfur dioxide emissions to a minimum of 94% at all times as required by 6 NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of more than 100 but no more than 500 pounds per hour. This emission limitation is equivalent to the new source standard per 6 NYCRR Part 224 of 4 lb SO₂ per ton of sulfuric acid produced. Compliance will be assured by surrogate parametric monitoring as described below.

The scrubber solution flow rate will be continuously monitored in both sections of the scrubber. The flow in each section must be no less than 220 gallons per minute on an hourly average. A daily log must be maintained on site to record the hourly observations of flow and any equipment maintenance and repairs.

Any excursions from the required minimum scrubber flow rate must be reported to the Department within two working days of the occurrence. A written report detailing the occurrence and providing an evaluation of the effect of the excursion on compliance with the minimum scrubber control efficiency must be submitted to the Department within 30 days.

The packed tower scrubber must be operated and maintained in accordance with manufacturer's recommendations.

A semi-annual report shall be submitted to the Department that summarizes the operating history of the scrubber for the previous six months and lists any deviations from permit requirements.

All records are to be kept on site for a period of five years and made available to Department representatives during normal business hours.

Parameter Monitored: FLOW RATE

Lower Permit Limit: 220 gallons per minute

Monitoring Frequency: HOURLY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

The initial report is due 1/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00060 Emission Point: 00160
Process: 012 Emission Source: 00161

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The alkaline packed wet scrubber (emission source 00161) shall be operated to control sulfur dioxide emissions to a minimum of 90% at all times, as required by 6 NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of more than 10 pounds per hour but no more than 20 pounds per hour. Compliance will be assured by surrogate parametric monitoring as described below.

The scrubber fluid shall be monitored at least once per hour for the existence of flow through the scrubber and continuously for pH. The pH of the scrubber fluid shall be a minimum of 5.5 units. The packed tower scrubber and the scrubber pH monitor must be operated and maintained in accordance with manufacturer's recommendations. A daily log must be maintained on site to record the observations of flow and pH (at least hourly readings) and any equipment maintenance and repairs.

A semi-annual report shall be submitted to the Department that summarizes the operating history of the scrubber for the previous six months and lists any deviations from permit requirements.

All records are to be kept on site for a period of five years and made available to Department representatives during normal business hours.

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Permit ID: 9-1402-00435/00037

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Parameter Monitored: ACIDITY/ALKALINITY
Lower Permit Limit: 5.5 pH (STANDARD) units
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00080 Emission Point: 00182
Process: 015 Emission Source: 00182

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The water flow alarm on the alkaline wet packed tower scrubber must be checked at least monthly to verify that it is in good working condition. These observations will be recorded in a log at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years. A semi-annual report shall be submitted to the Department that summarizes the compliance history of the water flow alarm for the previous six months.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)

Item 40.1:

Air Pollution Control Permit Conditions

Renewal 2

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New York State Department of Environmental Conservation

Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

The Compliance Certification activity will be performed for:

Emission Unit: U-00080

Emission Point: 00182

Process: 015

Emission Source: 00182

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The alkaline wet packed tower scrubber (emission source 00182) will be operated to control sulfur dioxide emissions to a minimum of 91% at all times that aqueous sodium bisulfite is being produced as required by 6 NYCRR Part 212-2.3(a) Table 3 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of more than 20 but no more than 100 pounds per hour. Compliance will be assured by surrogate parametric monitoring as described below.

The scrubber water shall be monitored at least once per hour during production for the existence of flow through the scrubber and continuously for pH. The pH of the scrubber fluid shall be a minimum of 7.5 units. The packed tower scrubber and the scrubber pH monitor must be operated and maintained in accordance with manufacturer's recommendations. A daily log must be maintained on site to record the observations of flow and pH (at least hourly readings) and any equipment maintenance and repairs.

A semi-annual report shall be submitted to the Department that summarizes the operating history of the scrubber for the previous six months and lists any deviations from permit requirements.

All records are to be kept on site for a period of five years and made available to Department representatives during normal business hours.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Permit Limit: 7.5 pH (STANDARD) units

Monitoring Frequency: CONTINUOUS

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

The initial report is due 1/30/2018.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00090

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 225-1.2 (h)

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00090

Process: 018

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

**New York State Department of Environmental Conservation**

Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

Compliance with this limit will be based on vendor certifications. Compliance with this condition also assures compliance with the sulfur content limit in 40 CFR 60.42c(d) of no greater than 0.5 percent by weight.

Data collected pursuant to this requirement must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

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STATE ONLY ENFORCEABLE CONDITIONS****** Facility Level ********NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;

(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and



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standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 43: Contaminant List

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable State Requirement:ECL 19-0301

Item 43.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000497-19-8

Name: SODIUM CARBONATE

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 007664-93-9

Name: SULFURIC ACID

CAS No: 010196-04-0

Name: SULFUROUS ACID, DIAMMONIUM SALT

Condition 44: Malfunctions and start-up/shutdown activities

Effective between the dates of 10/02/2017 and 10/01/2022



New York State Department of Environmental Conservation

Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

Applicable State Requirement:6 NYCRR 201-1.4

Item 44.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

****** Emission Unit Level ******

Condition 45: Compliance Demonstration

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable State Requirement:6 NYCRR 212-2.3 (b)

Item 45.1:

The Compliance Demonstration activity will be performed for:

**New York State Department of Environmental Conservation**

Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

Emission Unit: U-00050

Emission Point: 00150

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 45.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The packed tower scrubber (emission source 00150) shall be operated to control hydrochloric acid emissions to a minimum of 90% at all times that emissions from the loading or unloading of hydrochloric acid may occur, as required by 6 NYCRR Part 212-2.3(b) Table 4 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of greater than 10 pounds per hour. Compliance will be assured by surrogate parametric monitoring as described below.

The scrubber water shall be monitored daily for the existence of flow through the scrubber and for hydrogen chloride concentration. The scrubber water must be removed and replaced before the hydrogen chloride concentration exceeds 18 percent.

The packed tower scrubber must be operated and maintained in accordance with manufacturer's recommendations. A daily log must be maintained on site to record the daily observations of flow and hydrogen chloride concentration and any equipment maintenance and repairs.

A semi-annual report shall be submitted to the Department that summarizes the operating history of the scrubber for the previous six months and lists any deviations from permit requirements.

All records are to be kept on site for a period of five years and made available to Department representatives during normal business hours.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 18 percent

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.



New York State Department of Environmental Conservation

Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

Subsequent reports are due every 6 calendar month(s).

Condition 46: Compliance Demonstration
Effective between the dates of 10/02/2017 and 10/01/2022

Applicable State Requirement: 6 NYCRR 212-2.3 (b)

Item 46.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00060 Emission Point: 00160
Process: 012 Emission Source: 00160

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 46.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The acidic packed wet scrubber (emission source 00160) shall be operated to control ammonia emissions to a minimum of 90% at all times, as required by 6 NYCRR Part 212-2.3(b) Table 4 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of greater than 10 pounds per hour. Compliance will be assured by surrogate parametric monitoring as described below.

The scrubber fluid shall be monitored at least once per hour for the existence of flow through the scrubber and continuously for pH. The pH of the scrubber fluid shall be a maximum of 7.0 units. The packed tower scrubber and the scrubber pH monitor must be operated and maintained in accordance with manufacturer's recommendations. A daily log must be maintained on site to record the observations of flow and pH (at least hourly readings) and any equipment maintenance and repairs.

A semi-annual report shall be submitted to the Department that summarizes the operating history of the scrubber for the previous six months and lists any deviations from permit requirements.

All records are to be kept on site for a period of five years and made available to Department representatives during normal business hours.

Parameter Monitored: ACIDITY/ALKALINITY
Upper Permit Limit: 7.0 pH (STANDARD) units

**New York State Department of Environmental Conservation**

Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Demonstration

Effective between the dates of 10/02/2017 and 10/01/2022

Applicable State Requirement: 6 NYCRR 212-2.3 (b)

Item 47.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00080

Process: 016

Emission Source: 00181

Regulated Contaminant(s):

CAS No: 000497-19-8

SODIUM CARBONATE

Item 47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The soda ash scrubber (emission source 00181) shall be operated to control particulate emissions to a minimum of 90% at all times that emissions from the soda ash loading operation may occur, as required by 6 NYCRR Part 212-2.3(b) Table 4 "Degree of Air Cleaning Required for Criteria Air Contaminants" for a "B" environmental rating at an emission rate potential of greater than 10 pounds per hour. Compliance will be assured by surrogate parametric monitoring as described below.

Adequate water flow to the soda ash scrubber must be verified prior to receiving and transferring soda ash into storage via pneumatic conveyor. These observations will be recorded in a log at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years. A semi-annual report shall be submitted to the Department that summarizes the compliance history of the emission point for the previous six months.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.



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Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

Subsequent reports are due every 6 calendar month(s).



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Permit ID: 9-1402-00435/00037

Facility DEC ID: 9140200435

EXHIBIT C



November 4, 2020

Tess M. Williams
Project Manager
OSC Inc.
140 Lee Street, Suite 200
Buffalo, NY 14210

RE: PVS Chemical Solutions Inc – Sulfur Dioxide Monitoring Program
NYSDEC Data Review
South Buffalo Development Buffalo, New York

Dear Ms. Williams:

Inventum Engineering PC (Inventum) is pleased to provide a summary review of the Sulfur Dioxide (SO₂) monitoring data collected by the New York State Department of Environmental Conservation (NYSDEC) in relation to South Buffalo Development's (SBD) ongoing monitoring of SO₂ emissions from the PVS Chemical Solutions Inc Facility (PVS) located at 55 Lee Street, Buffalo, New York.

The NYSDEC provided a spreadsheet of hourly SO₂ concentrations as detected from the NYSDEC's monitoring station installed at the southern end of the Medaille Sports Complex Field located at 150 Lee Street, Buffalo, New York (Attachment A) on the former Buffalo Color Corporation (BCC) site. The NYSDEC's monitor was installed next to SBD's SO₂ and meteorological monitor which has been in almost continuous operation since May 2019. The NYSDEC data set provides average hourly SO₂ concentrations from the period between July 11, 2020 and October 18, 2020 as well as the corresponding 1-hour daily maximum.

The primary National Ambient Air Quality Standard (NAAQS) for SO₂ is 75 parts per billion (ppb). The form of this primary standard is the 3-year average of the 99th percentile of the yearly distribution of 1-hour daily maximum SO₂ concentrations.

An analysis of the NYSDEC monitoring data clearly shows that PVS is in violation of their Title V permit. The 99th percentile concentration of the data collected between July 11, 2020 and October 18, 2020 on the former BCC Site¹ is 431.68 ppb. Forecasting that the range of NYSDEC

¹ It is important to note that the DEC data was collected on the BCC Site, not at the point of compliance for the PVS facility. Therefore, in reality, NYSDEC is fully aware that the emissions at PVS are much greater than the remote monitoring demonstrated.

data is representative of historical PVS operations, and future operations absent any modifications to their emissions controls or work practices, it is statistically impossible for the 3-year average of the 99th percentile of the yearly distribution of PVS emissions to be below 75 ppb based on the NYSDEC data that already exists. Inventum also notes that the NYSDEC monitoring station is over 290 feet away from the closest PVS permitted emission point indicating the actual emissions from the PVS facility are much higher.

If you have any questions regarding the above, please feel free to contact me (john.black@inventumeng.com; 571.217.6761) or Todd Waldrop (todd.waldrop@inventumeng.com; 571.217.3627).

Sincerely,



John Black, PE
Inventum Engineering, PC



Todd Waldrop
Inventum Engineering, PC

Ecc: Jon Williams – South Buffalo Development, LLC
John Yensan - OSC, Inc



Attachment A



Date & Time	SO2 ppb	Max Hr/Day
7/11/2020 0:00	0	7/11/2020 0.1
7/11/2020 1:00	0	7/12/2020 182.7
7/11/2020 2:00	-0.1	7/13/2020 331.4
7/11/2020 3:00	0	7/14/2020 81.3
7/11/2020 4:00	-0.1	7/15/2020 180.4
7/11/2020 5:00	-0.1	7/16/2020 25.8
7/11/2020 6:00	-0.1	7/17/2020 196.2
7/11/2020 7:00	0	7/18/2020 355.6
7/11/2020 8:00	0	7/19/2020 280.8
7/11/2020 9:00	0	7/20/2020 268
7/11/2020 10:00	0.1	7/21/2020 49.6
7/11/2020 11:00	-0.1	7/22/2020 106.4
7/11/2020 12:00	-0.1	7/23/2020 177
7/11/2020 13:00	-0.1	7/24/2020 0.1
7/11/2020 14:00	-0.1	7/25/2020 106
7/11/2020 15:00	-0.1	7/26/2020 400
7/11/2020 16:00	-0.1	7/27/2020 370.7
7/11/2020 17:00	-0.1	7/28/2020 432
7/11/2020 18:00	-0.1	7/29/2020 374.1
7/11/2020 19:00	-0.1	7/30/2020 70.3
7/11/2020 20:00	-0.1	7/31/2020 0.7
7/11/2020 21:00	-0.1	8/1/2020 8.9
7/11/2020 22:00	-0.1	8/2/2020 48.7
7/11/2020 23:00	-0.1	8/3/2020 94.7
7/12/2020 0:00	-0.1	8/4/2020 39.9
7/12/2020 1:00	-0.1	8/5/2020 127
7/12/2020 2:00	-0.1	8/6/2020 1.6
7/12/2020 3:00	-0.1	8/7/2020 0.6
7/12/2020 4:00	-0.1	8/8/2020 35.8
7/12/2020 5:00	0.2	8/9/2020 41.4
7/12/2020 6:00	3	8/10/2020 38.7
7/12/2020 7:00	44	8/11/2020 66
7/12/2020 8:00	98	8/12/2020 140.4
7/12/2020 9:00	103.9	8/13/2020 1.3
7/12/2020 10:00	150.1	8/14/2020 1.3
7/12/2020 11:00	182.7	8/15/2020 352.3
7/12/2020 12:00	153.4	8/16/2020 133.9
7/12/2020 13:00	125	8/17/2020 160.2
7/12/2020 14:00	81.4	8/18/2020 193.1
7/12/2020 15:00	88.1	8/19/2020 4.9
7/12/2020 16:00	78.4	8/20/2020 174.4
7/12/2020 17:00	37.9	8/21/2020 338.9
7/12/2020 18:00	25.1	8/22/2020 259.2
7/12/2020 19:00	32.7	8/23/2020 275.3
7/12/2020 20:00	1.1	8/24/2020 356.5
7/12/2020 21:00	0.2	8/25/2020 296.6

Date & Time	SO2 ppb	Max Hr/Day
7/12/2020 22:00	0.1	8/26/2020 116
7/12/2020 23:00	0	8/27/2020 191.2
7/13/2020 0:00	0	8/28/2020 272
7/13/2020 1:00	0	8/29/2020 338.3
7/13/2020 2:00	0	8/30/2020 10.7
7/13/2020 3:00	0	8/31/2020 34.3
7/13/2020 4:00	0	9/1/2020 173.6
7/13/2020 5:00	0	9/2/2020 142.7
7/13/2020 6:00	0	9/3/2020 181
7/13/2020 7:00	10.8	9/4/2020 261.7
7/13/2020 8:00	45.9	9/5/2020 222.7
7/13/2020 9:00	139.5	9/6/2020 83.8
7/13/2020 10:00	144	9/7/2020 252.5
7/13/2020 11:00	331.4	9/8/2020 68.9
7/13/2020 12:00	107.9	9/9/2020 52.7
7/13/2020 13:00	128	9/10/2020 132.4
7/13/2020 14:00	247.2	9/11/2020 0.4
7/13/2020 15:00	103.8	9/12/2020 31
7/13/2020 16:00	33.6	9/13/2020 129.9
7/13/2020 17:00	58	9/14/2020 0.9
7/13/2020 18:00	7.2	9/15/2020 142.8
7/13/2020 19:00	0.4	9/16/2020 172.7
7/13/2020 20:00	0.2	9/17/2020 160.1
7/13/2020 21:00	0.1	9/18/2020 1.2
7/13/2020 22:00	0	9/19/2020 4.5
7/13/2020 23:00	0	9/20/2020 0.2
7/14/2020 0:00	0	9/21/2020 161.3
7/14/2020 1:00	0	9/22/2020 154.1
7/14/2020 2:00	0	9/23/2020 270.4
7/14/2020 3:00	0	9/24/2020 238.3
7/14/2020 4:00	0	9/25/2020 144.8
7/14/2020 5:00	0	9/26/2020 157.5
7/14/2020 6:00	0.1	9/27/2020 153
7/14/2020 7:00	0	9/28/2020 150.3
7/14/2020 8:00	3.1	9/29/2020 273.3
7/14/2020 9:00	26.5	9/30/2020 163.6
7/14/2020 10:00	40.7	10/1/2020 118.7
7/14/2020 11:00	67.7	10/2/2020 166.6
7/14/2020 12:00	81.3	10/3/2020 60.5
7/14/2020 13:00	61	10/4/2020 90.9
7/14/2020 14:00	44.4	10/5/2020 186.9
7/14/2020 15:00	55.5	10/6/2020 221.9
7/14/2020 16:00	47.9	10/7/2020 259.8
7/14/2020 17:00	51.6	10/8/2020 87
7/14/2020 18:00	47.4	10/9/2020 121.4
7/14/2020 19:00	20	10/10/2020 165.7

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
7/14/2020 20:00	14	10/11/2020 0.4
7/14/2020 21:00	8.6	
7/14/2020 22:00	15.1	
7/14/2020 23:00	0.4	
7/15/2020 0:00	1.2	
7/15/2020 1:00	0	
7/15/2020 2:00	0	
7/15/2020 3:00	0	
7/15/2020 4:00	0	
7/15/2020 5:00	0	
7/15/2020 6:00	0	
7/15/2020 7:00	0	
7/15/2020 8:00	0	
7/15/2020 9:00	5.9	
7/15/2020 10:00	69.4	
7/15/2020 11:00	40.2	
7/15/2020 12:00	35.1	
7/15/2020 13:00	29.1	
7/15/2020 14:00	63.4	
7/15/2020 15:00	129.3	
7/15/2020 16:00	54.7	
7/15/2020 17:00	165.4	
7/15/2020 18:00	180.4	
7/15/2020 19:00	84.5	
7/15/2020 20:00	11.4	
7/15/2020 21:00	0.9	
7/15/2020 22:00	0.2	
7/15/2020 23:00	0.1	
7/16/2020 0:00	0	
7/16/2020 1:00	0	
7/16/2020 2:00	0.1	
7/16/2020 3:00	0.2	
7/16/2020 4:00	0.1	
7/16/2020 5:00	0	
7/16/2020 6:00	0	
7/16/2020 7:00	0	
7/16/2020 8:00	0.1	
7/16/2020 9:00	25.8	
7/16/2020 10:00	0.2	
7/16/2020 11:00	0	
7/16/2020 12:00	0	
7/16/2020 13:00	0.1	
7/16/2020 14:00	0	
7/16/2020 15:00	0	
7/16/2020 16:00	0	
7/16/2020 17:00	0	

Date & Time	SO2 ppb	Max Hr/Day
7/16/2020 18:00	-0.1	
7/16/2020 19:00	-0.1	
7/16/2020 20:00	-0.1	
7/16/2020 21:00	-0.1	
7/16/2020 22:00	-0.1	
7/16/2020 23:00	-0.1	
7/17/2020 0:00	-0.1	
7/17/2020 1:00	-0.1	
7/17/2020 2:00	-0.1	
7/17/2020 3:00	-0.1	
7/17/2020 4:00	-0.1	
7/17/2020 5:00	-0.1	
7/17/2020 6:00	-0.1	
7/17/2020 7:00	-0.1	
7/17/2020 8:00	-0.1	
7/17/2020 9:00	28.4	
7/17/2020 10:00	126.6	
7/17/2020 11:00	141.9	
7/17/2020 12:00	194.3	
7/17/2020 13:00	163.1	
7/17/2020 14:00	111.8	
7/17/2020 15:00	108.8	
7/17/2020 16:00	137.7	
7/17/2020 17:00	142.8	
7/17/2020 18:00	111.8	
7/17/2020 19:00	85.3	
7/17/2020 20:00	164.1	
7/17/2020 21:00	70.5	
7/17/2020 22:00	39.7	
7/17/2020 23:00	196.2	
7/18/2020 0:00	143.6	
7/18/2020 1:00	19.5	
7/18/2020 2:00	0.4	
7/18/2020 3:00	0.2	
7/18/2020 4:00	0.7	
7/18/2020 5:00	0.2	
7/18/2020 6:00	15.6	
7/18/2020 7:00	223	
7/18/2020 8:00	235	
7/18/2020 9:00	258.4	
7/18/2020 10:00	198.3	
7/18/2020 11:00	144.9	
7/18/2020 12:00	67.3	
7/18/2020 13:00	74.2	
7/18/2020 14:00	78.2	
7/18/2020 15:00	85.1	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
7/18/2020 16:00	177.6	
7/18/2020 17:00	290.7	
7/18/2020 18:00	355.6	
7/18/2020 19:00	247.9	
7/18/2020 20:00	80	
7/18/2020 21:00	114.7	
7/18/2020 22:00	43	
7/18/2020 23:00	6.6	
7/19/2020 0:00	21.8	
7/19/2020 1:00	116.6	
7/19/2020 2:00	41.1	
7/19/2020 3:00	22.4	
7/19/2020 4:00	93.6	
7/19/2020 5:00	100.4	
7/19/2020 6:00	119.7	
7/19/2020 7:00	139.2	
7/19/2020 8:00	167.3	
7/19/2020 9:00	165.9	
7/19/2020 10:00	171.9	
7/19/2020 11:00	143.7	
7/19/2020 12:00	65.8	
7/19/2020 13:00	0.6	
7/19/2020 14:00	0.7	
7/19/2020 15:00	115.7	
7/19/2020 16:00	280.8	
7/19/2020 17:00	126.5	
7/19/2020 18:00	65.3	
7/19/2020 19:00	4.3	
7/19/2020 20:00	10.8	
7/19/2020 21:00	74.6	
7/19/2020 22:00	141.3	
7/19/2020 23:00	78.3	
7/20/2020 0:00	40.8	
7/20/2020 1:00	27	
7/20/2020 2:00	7.2	
7/20/2020 3:00	6	
7/20/2020 4:00	3.7	
7/20/2020 5:00	83.2	
7/20/2020 6:00	199.7	
7/20/2020 7:00	268	
7/20/2020 8:00	198.1	
7/20/2020 9:00	240.1	
7/20/2020 10:00	225.7	
7/20/2020 11:00	NoData	
7/20/2020 12:00	NoData	
7/20/2020 13:00	NoData	

Date & Time	SO2 ppb	Max Hr/Day
7/20/2020 14:00	170.1	
7/20/2020 15:00	157.3	
7/20/2020 16:00	136.3	
7/20/2020 17:00	126.1	
7/20/2020 18:00	93.2	
7/20/2020 19:00	60.9	
7/20/2020 20:00	15	
7/20/2020 21:00	2.5	
7/20/2020 22:00	0.6	
7/20/2020 23:00	0.4	
7/21/2020 0:00	0.6	
7/21/2020 1:00	0.7	
7/21/2020 2:00	0.4	
7/21/2020 3:00	0.3	
7/21/2020 4:00	0.1	
7/21/2020 5:00	0.1	
7/21/2020 6:00	0.4	
7/21/2020 7:00	0.4	
7/21/2020 8:00	0.4	
7/21/2020 9:00	5.4	
7/21/2020 10:00	21.6	
7/21/2020 11:00	12.8	
7/21/2020 12:00	49.6	
7/21/2020 13:00	18.4	
7/21/2020 14:00	6.2	
7/21/2020 15:00	7.7	
7/21/2020 16:00	20.6	
7/21/2020 17:00	0.9	
7/21/2020 18:00	0.3	
7/21/2020 19:00	0.2	
7/21/2020 20:00	0.1	
7/21/2020 21:00	0.1	
7/21/2020 22:00	0.1	
7/21/2020 23:00	0	
7/22/2020 0:00	0	
7/22/2020 1:00	0	
7/22/2020 2:00	0	
7/22/2020 3:00	0	
7/22/2020 4:00	0	
7/22/2020 5:00	0.1	
7/22/2020 6:00	0.4	
7/22/2020 7:00	0.1	
7/22/2020 8:00	0.1	
7/22/2020 9:00	0	
7/22/2020 10:00	0	
7/22/2020 11:00	75.5	

Date & Time	SO2 ppb	Max Hr/Day
7/22/2020 12:00	89.7	
7/22/2020 13:00	106.4	
7/22/2020 14:00	66.7	
7/22/2020 15:00	67.8	
7/22/2020 16:00	46.6	
7/22/2020 17:00	21.9	
7/22/2020 18:00	35.3	
7/22/2020 19:00	40.3	
7/22/2020 20:00	82.1	
7/22/2020 21:00	92.4	
7/22/2020 22:00	88.1	
7/22/2020 23:00	57	
7/23/2020 0:00	22.7	
7/23/2020 1:00	4.8	
7/23/2020 2:00	0.4	
7/23/2020 3:00	0.2	
7/23/2020 4:00	0.1	
7/23/2020 5:00	0.1	
7/23/2020 6:00	0.5	
7/23/2020 7:00	4.9	
7/23/2020 8:00	1.2	
7/23/2020 9:00	1.8	
7/23/2020 10:00	40.8	
7/23/2020 11:00	177	
7/23/2020 12:00	99.7	
7/23/2020 13:00	138.9	
7/23/2020 14:00	86.5	
7/23/2020 15:00	2.2	
7/23/2020 16:00	0.6	
7/23/2020 17:00	0.5	
7/23/2020 18:00	0.3	
7/23/2020 19:00	0.2	
7/23/2020 20:00	0.2	
7/23/2020 21:00	0.2	
7/23/2020 22:00	0.1	
7/23/2020 23:00	0.1	
7/24/2020 0:00	0	
7/24/2020 1:00	0	
7/24/2020 2:00	0.1	
7/24/2020 3:00	0	
7/24/2020 4:00	0	
7/24/2020 5:00	0	
7/24/2020 6:00	0	
7/24/2020 7:00	0.1	
7/24/2020 8:00	0.1	
7/24/2020 9:00	0.1	

Date & Time	SO2 ppb	Max Hr/Day
7/24/2020 10:00	0.1	
7/24/2020 11:00	0.1	
7/24/2020 12:00	0.1	
7/24/2020 13:00	0.1	
7/24/2020 14:00	0.1	
7/24/2020 15:00	0.1	
7/24/2020 16:00	0.1	
7/24/2020 17:00	0.1	
7/24/2020 18:00	0.1	
7/24/2020 19:00	0.1	
7/24/2020 20:00	0	
7/24/2020 21:00	0	
7/24/2020 22:00	0	
7/24/2020 23:00	0	
7/25/2020 0:00	0	
7/25/2020 1:00	0	
7/25/2020 2:00	0	
7/25/2020 3:00	0	
7/25/2020 4:00	0	
7/25/2020 5:00	0	
7/25/2020 6:00	0.1	
7/25/2020 7:00	0.2	
7/25/2020 8:00	0.1	
7/25/2020 9:00	0.1	
7/25/2020 10:00	63.5	
7/25/2020 11:00	82	
7/25/2020 12:00	71.5	
7/25/2020 13:00	23.7	
7/25/2020 14:00	29.7	
7/25/2020 15:00	37.7	
7/25/2020 16:00	39.8	
7/25/2020 17:00	35.2	
7/25/2020 18:00	16.3	
7/25/2020 19:00	21	
7/25/2020 20:00	106	
7/25/2020 21:00	61.2	
7/25/2020 22:00	84	
7/25/2020 23:00	77.4	
7/26/2020 0:00	68.5	
7/26/2020 1:00	10.1	
7/26/2020 2:00	170.8	
7/26/2020 3:00	46.1	
7/26/2020 4:00	123.1	
7/26/2020 5:00	98.7	
7/26/2020 6:00	233.6	
7/26/2020 7:00	255.6	

Date & Time	SO2 ppb	Max Hr/Day
7/26/2020 8:00	181.1	
7/26/2020 9:00	119.6	
7/26/2020 10:00	118	
7/26/2020 11:00	111.3	
7/26/2020 12:00	114.9	
7/26/2020 13:00	127.6	
7/26/2020 14:00	127.1	
7/26/2020 15:00	130.6	
7/26/2020 16:00	128.6	
7/26/2020 17:00	139	
7/26/2020 18:00	149	
7/26/2020 19:00	153.8	
7/26/2020 20:00	321.6	
7/26/2020 21:00	400	
7/26/2020 22:00	376.9	
7/26/2020 23:00	196.3	
7/27/2020 0:00	355.3	
7/27/2020 1:00	352.4	
7/27/2020 2:00	370.7	
7/27/2020 3:00	327.3	
7/27/2020 4:00	185.9	
7/27/2020 5:00	194.4	
7/27/2020 6:00	179.8	
7/27/2020 7:00	206.1	
7/27/2020 8:00	149.7	
7/27/2020 9:00	128	
7/27/2020 10:00	141.6	
7/27/2020 11:00	192.1	
7/27/2020 12:00	220.1	
7/27/2020 13:00	169.3	
7/27/2020 14:00	128.5	
7/27/2020 15:00	141	
7/27/2020 16:00	189.2	
7/27/2020 17:00	190.6	
7/27/2020 18:00	133.6	
7/27/2020 19:00	102.4	
7/27/2020 20:00	83.3	
7/27/2020 21:00	64.3	
7/27/2020 22:00	58.4	
7/27/2020 23:00	8.6	
7/28/2020 0:00	0.8	
7/28/2020 1:00	1.1	
7/28/2020 2:00	0.8	
7/28/2020 3:00	0.8	
7/28/2020 4:00	1.2	
7/28/2020 5:00	0.5	

Date & Time	SO2 ppb	Max Hr/Day
7/28/2020 6:00	5.2	
7/28/2020 7:00	25.8	
7/28/2020 8:00	432	
7/28/2020 9:00	181.5	
7/28/2020 10:00	188.7	
7/28/2020 11:00	189.4	
7/28/2020 12:00	184.1	
7/28/2020 13:00	136	
7/28/2020 14:00	148.7	
7/28/2020 15:00	135.8	
7/28/2020 16:00	134.5	
7/28/2020 17:00	126.5	
7/28/2020 18:00	112.8	
7/28/2020 19:00	102.6	
7/28/2020 20:00	134.5	
7/28/2020 21:00	90.8	
7/28/2020 22:00	16.8	
7/28/2020 23:00	34.9	
7/29/2020 0:00	32.3	
7/29/2020 1:00	156.9	
7/29/2020 2:00	154.9	
7/29/2020 3:00	291.3	
7/29/2020 4:00	368	
7/29/2020 5:00	310.9	
7/29/2020 6:00	351.3	
7/29/2020 7:00	354.4	
7/29/2020 8:00	374.1	
7/29/2020 9:00	133	
7/29/2020 10:00	20.5	
7/29/2020 11:00	78.9	
7/29/2020 12:00	148.3	
7/29/2020 13:00	125.4	
7/29/2020 14:00	183.1	
7/29/2020 15:00	177.8	
7/29/2020 16:00	NoData	
7/29/2020 17:00	NoData	
7/29/2020 18:00	136.7	
7/29/2020 19:00	137.5	
7/29/2020 20:00	125.6	
7/29/2020 21:00	99.8	
7/29/2020 22:00	43	
7/29/2020 23:00	42.5	
7/30/2020 0:00	5.2	
7/30/2020 1:00	1.6	
7/30/2020 2:00	3.1	
7/30/2020 3:00	1.3	

Date & Time	SO2 ppb	Max Hr/Day
7/30/2020 4:00	0.8	
7/30/2020 5:00	0.6	
7/30/2020 6:00	1.3	
7/30/2020 7:00	0.6	
7/30/2020 8:00	0.9	
7/30/2020 9:00	NoData	
7/30/2020 10:00	24.3	
7/30/2020 11:00	NoData	
7/30/2020 12:00	NoData	
7/30/2020 13:00	70.3	
7/30/2020 14:00	35.8	
7/30/2020 15:00	32.2	
7/30/2020 16:00	32.8	
7/30/2020 17:00	32.7	
7/30/2020 18:00	27.6	
7/30/2020 19:00	16.6	
7/30/2020 20:00	8.1	
7/30/2020 21:00	10.4	
7/30/2020 22:00	InVld	
7/30/2020 23:00	InVld	
7/31/2020 0:00	InVld	
7/31/2020 1:00	InVld	
7/31/2020 2:00	InVld	
7/31/2020 3:00	InVld	
7/31/2020 4:00	InVld	
7/31/2020 5:00	InVld	
7/31/2020 6:00	InVld	
7/31/2020 7:00	InVld	
7/31/2020 8:00	InVld	
7/31/2020 9:00	InVld	
7/31/2020 10:00	InVld	
7/31/2020 11:00	InVld	
7/31/2020 12:00	NoData	
7/31/2020 13:00	0.5	
7/31/2020 14:00	0.4	
7/31/2020 15:00	0.3	
7/31/2020 16:00	0.3	
7/31/2020 17:00	0.2	
7/31/2020 18:00	0.2	
7/31/2020 19:00	0.2	
7/31/2020 20:00	0.3	
7/31/2020 21:00	0.7	
7/31/2020 22:00	0.5	
7/31/2020 23:00	0.4	
8/1/2020 0:00	0.3	
8/1/2020 1:00	0.3	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/1/2020 2:00	0.3	
8/1/2020 3:00	0.3	
8/1/2020 4:00	0.2	
8/1/2020 5:00	0.3	
8/1/2020 6:00	0.3	
8/1/2020 7:00	0.3	
8/1/2020 8:00	0.3	
8/1/2020 9:00	0.3	
8/1/2020 10:00	0.4	
8/1/2020 11:00	0.5	
8/1/2020 12:00	2.5	
8/1/2020 13:00	1.4	
8/1/2020 14:00	1.9	
8/1/2020 15:00	8.9	
8/1/2020 16:00	4.8	
8/1/2020 17:00	4	
8/1/2020 18:00	2	
8/1/2020 19:00	1.6	
8/1/2020 20:00	1.1	
8/1/2020 21:00	0.5	
8/1/2020 22:00	0.3	
8/1/2020 23:00	0.3	
8/2/2020 0:00	0.2	
8/2/2020 1:00	0.3	
8/2/2020 2:00	0.3	
8/2/2020 3:00	0.3	
8/2/2020 4:00	0.3	
8/2/2020 5:00	0.3	
8/2/2020 6:00	0.5	
8/2/2020 7:00	4.6	
8/2/2020 8:00	16.2	
8/2/2020 9:00	15	
8/2/2020 10:00	17.3	
8/2/2020 11:00	22.4	
8/2/2020 12:00	30.7	
8/2/2020 13:00	33.9	
8/2/2020 14:00	22	
8/2/2020 15:00	27.3	
8/2/2020 16:00	31.3	
8/2/2020 17:00	33.3	
8/2/2020 18:00	48.7	
8/2/2020 19:00	12.3	
8/2/2020 20:00	11.1	
8/2/2020 21:00	11.9	
8/2/2020 22:00	20.1	
8/2/2020 23:00	11.8	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/3/2020 0:00	49.6	
8/3/2020 1:00	6.2	
8/3/2020 2:00	5	
8/3/2020 3:00	4.5	
8/3/2020 4:00	1.1	
8/3/2020 5:00	2.4	
8/3/2020 6:00	7.8	
8/3/2020 7:00	50.3	
8/3/2020 8:00	94.7	
8/3/2020 9:00	63.5	
8/3/2020 10:00	41.3	
8/3/2020 11:00	14.6	
8/3/2020 12:00	NoData	
8/3/2020 13:00	NoData	
8/3/2020 14:00	19	
8/3/2020 15:00	43.3	
8/3/2020 16:00	4.1	
8/3/2020 17:00	7	
8/3/2020 18:00	5.1	
8/3/2020 19:00	3.5	
8/3/2020 20:00	1.6	
8/3/2020 21:00	0.5	
8/3/2020 22:00	0.6	
8/3/2020 23:00	0.5	
8/4/2020 0:00	0.4	
8/4/2020 1:00	0.2	
8/4/2020 2:00	0.2	
8/4/2020 3:00	0.2	
8/4/2020 4:00	0.2	
8/4/2020 5:00	0.2	
8/4/2020 6:00	0.2	
8/4/2020 7:00	1.9	
8/4/2020 8:00	6.2	
8/4/2020 9:00	39.9	
8/4/2020 10:00	4.5	
8/4/2020 11:00	1.1	
8/4/2020 12:00	1.7	
8/4/2020 13:00	1.1	
8/4/2020 14:00	0.6	
8/4/2020 15:00	8	
8/4/2020 16:00	15	
8/4/2020 17:00	16.2	
8/4/2020 18:00	16.5	
8/4/2020 19:00	16.2	
8/4/2020 20:00	4.2	
8/4/2020 21:00	0.3	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/4/2020 22:00	0.2	
8/4/2020 23:00	NoData	
8/5/2020 0:00	NoData	
8/5/2020 1:00	0.3	
8/5/2020 2:00	0.3	
8/5/2020 3:00	0.5	
8/5/2020 4:00	0.3	
8/5/2020 5:00	0.8	
8/5/2020 6:00	4.1	
8/5/2020 7:00	8.7	
8/5/2020 8:00	16.9	
8/5/2020 9:00	88.3	
8/5/2020 10:00	54.2	
8/5/2020 11:00	127	
8/5/2020 12:00	43	
8/5/2020 13:00	31.5	
8/5/2020 14:00	28.8	
8/5/2020 15:00	32.4	
8/5/2020 16:00	29.3	
8/5/2020 17:00	24.9	
8/5/2020 18:00	15.6	
8/5/2020 19:00	0.4	
8/5/2020 20:00	0.3	
8/5/2020 21:00	0.3	
8/5/2020 22:00	0.3	
8/5/2020 23:00	0.8	
8/6/2020 0:00	0.4	
8/6/2020 1:00	0.4	
8/6/2020 2:00	0.2	
8/6/2020 3:00	0.2	
8/6/2020 4:00	0.2	
8/6/2020 5:00	0.2	
8/6/2020 6:00	0.4	
8/6/2020 7:00	0.7	
8/6/2020 8:00	0.8	
8/6/2020 9:00	0.9	
8/6/2020 10:00	1.6	
8/6/2020 11:00	0.4	
8/6/2020 12:00	0.5	
8/6/2020 13:00	0.8	
8/6/2020 14:00	0.4	
8/6/2020 15:00	0.4	
8/6/2020 16:00	0.3	
8/6/2020 17:00	0.4	
8/6/2020 18:00	0.3	
8/6/2020 19:00	0.3	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/6/2020 20:00	0.2	
8/6/2020 21:00	0.2	
8/6/2020 22:00	0.2	
8/6/2020 23:00	0.2	
8/7/2020 0:00	0.2	
8/7/2020 1:00	0.2	
8/7/2020 2:00	0.3	
8/7/2020 3:00	0.3	
8/7/2020 4:00	0.3	
8/7/2020 5:00	0.3	
8/7/2020 6:00	0.6	
8/7/2020 7:00	0.4	
8/7/2020 8:00	0.3	
8/7/2020 9:00	NoData	
8/7/2020 10:00	0.3	
8/7/2020 11:00	0.5	
8/7/2020 12:00	0.5	
8/7/2020 13:00	0.5	
8/7/2020 14:00	0.4	
8/7/2020 15:00	0.3	
8/7/2020 16:00	0.3	
8/7/2020 17:00	0.3	
8/7/2020 18:00	0.3	
8/7/2020 19:00	0.3	
8/7/2020 20:00	0.2	
8/7/2020 21:00	0.2	
8/7/2020 22:00	0.2	
8/7/2020 23:00	0.6	
8/8/2020 0:00	0.3	
8/8/2020 1:00	0.3	
8/8/2020 2:00	0.3	
8/8/2020 3:00	0.2	
8/8/2020 4:00	0.2	
8/8/2020 5:00	0.2	
8/8/2020 6:00	0.4	
8/8/2020 7:00	2.8	
8/8/2020 8:00	3.6	
8/8/2020 9:00	7.7	
8/8/2020 10:00	18.6	
8/8/2020 11:00	32.1	
8/8/2020 12:00	35.8	
8/8/2020 13:00	26.2	
8/8/2020 14:00	24.9	
8/8/2020 15:00	22	
8/8/2020 16:00	23.6	
8/8/2020 17:00	15.9	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/8/2020 18:00	11.8	
8/8/2020 19:00	8.6	
8/8/2020 20:00	9.6	
8/8/2020 21:00	18.6	
8/8/2020 22:00	2.2	
8/8/2020 23:00	3.2	
8/9/2020 0:00	2.5	
8/9/2020 1:00	8.4	
8/9/2020 2:00	6.8	
8/9/2020 3:00	5.5	
8/9/2020 4:00	2.4	
8/9/2020 5:00	3.6	
8/9/2020 6:00	5.1	
8/9/2020 7:00	12.3	
8/9/2020 8:00	38	
8/9/2020 9:00	41.4	
8/9/2020 10:00	37.9	
8/9/2020 11:00	29.3	
8/9/2020 12:00	30.5	
8/9/2020 13:00	35.1	
8/9/2020 14:00	27.5	
8/9/2020 15:00	15.5	
8/9/2020 16:00	13.1	
8/9/2020 17:00	14.5	
8/9/2020 18:00	16.4	
8/9/2020 19:00	10.5	
8/9/2020 20:00	7.8	
8/9/2020 21:00	16.6	
8/9/2020 22:00	21.1	
8/9/2020 23:00	28.8	
8/10/2020 0:00	23.8	
8/10/2020 1:00	17.5	
8/10/2020 2:00	10.8	
8/10/2020 3:00	8.2	
8/10/2020 4:00	27.1	
8/10/2020 5:00	33	
8/10/2020 6:00	26.7	
8/10/2020 7:00	24.3	
8/10/2020 8:00	31.9	
8/10/2020 9:00	38.7	
8/10/2020 10:00	31.9	
8/10/2020 11:00	35	
8/10/2020 12:00	31.4	
8/10/2020 13:00	32.7	
8/10/2020 14:00	25.8	
8/10/2020 15:00	23.2	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/10/2020 16:00	23.8	
8/10/2020 17:00	35	
8/10/2020 18:00	34.2	
8/10/2020 19:00	9.2	
8/10/2020 20:00	10.3	
8/10/2020 21:00	11.2	
8/10/2020 22:00	8.2	
8/10/2020 23:00	7.5	
8/11/2020 0:00	4.3	
8/11/2020 1:00	5.4	
8/11/2020 2:00	NoData	
8/11/2020 3:00	NoData	
8/11/2020 4:00	4.1	
8/11/2020 5:00	3.4	
8/11/2020 6:00	5.6	
8/11/2020 7:00	58.9	
8/11/2020 8:00	66	
8/11/2020 9:00	38.1	
8/11/2020 10:00	35.5	
8/11/2020 11:00	34.8	
8/11/2020 12:00	23.8	
8/11/2020 13:00	26.5	
8/11/2020 14:00	25.3	
8/11/2020 15:00	31.1	
8/11/2020 16:00	23	
8/11/2020 17:00	22.6	
8/11/2020 18:00	15.4	
8/11/2020 19:00	10.4	
8/11/2020 20:00	5.4	
8/11/2020 21:00	1.6	
8/11/2020 22:00	0.8	
8/11/2020 23:00	1.2	
8/12/2020 0:00	1.3	
8/12/2020 1:00	1.2	
8/12/2020 2:00	Calib	
8/12/2020 3:00	Calib	
8/12/2020 4:00	0.6	
8/12/2020 5:00	0.6	
8/12/2020 6:00	0.6	
8/12/2020 7:00	1.4	
8/12/2020 8:00	43.7	
8/12/2020 9:00	28.9	
8/12/2020 10:00	56.5	
8/12/2020 11:00	18.5	
8/12/2020 12:00	15.8	
8/12/2020 13:00	22.1	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/12/2020 14:00	19	
8/12/2020 15:00	10.4	
8/12/2020 16:00	19.4	
8/12/2020 17:00	73.3	
8/12/2020 18:00	42.6	
8/12/2020 19:00	36.4	
8/12/2020 20:00	140.4	
8/12/2020 21:00	17.2	
8/12/2020 22:00	7.9	
8/12/2020 23:00	1.5	
8/13/2020 0:00	0.8	
8/13/2020 1:00	0.7	
8/13/2020 2:00	0.7	
8/13/2020 3:00	0.7	
8/13/2020 4:00	0.4	
8/13/2020 5:00	0.4	
8/13/2020 6:00	0.5	
8/13/2020 7:00	0.9	
8/13/2020 8:00	1	
8/13/2020 9:00	1.3	
8/13/2020 10:00	1.3	
8/13/2020 11:00	1.2	
8/13/2020 12:00	0.5	
8/13/2020 13:00	0.6	
8/13/2020 14:00	0.6	
8/13/2020 15:00	0.5	
8/13/2020 16:00	0.5	
8/13/2020 17:00	0.5	
8/13/2020 18:00	0.4	
8/13/2020 19:00	0.4	
8/13/2020 20:00	0.4	
8/13/2020 21:00	0.4	
8/13/2020 22:00	0.4	
8/13/2020 23:00	0.3	
8/14/2020 0:00	0.3	
8/14/2020 1:00	0.3	
8/14/2020 2:00	NoData	
8/14/2020 3:00	NoData	
8/14/2020 4:00	0.3	
8/14/2020 5:00	0.4	
8/14/2020 6:00	0.7	
8/14/2020 7:00	1.3	
8/14/2020 8:00	0.9	
8/14/2020 9:00	1	
8/14/2020 10:00	0.9	
8/14/2020 11:00	0.8	

Date & Time	SO2 ppb	Max Hr/Day
8/14/2020 12:00	0.7	
8/14/2020 13:00	0.7	
8/14/2020 14:00	0.6	
8/14/2020 15:00	0.5	
8/14/2020 16:00	0.4	
8/14/2020 17:00	0.4	
8/14/2020 18:00	0.4	
8/14/2020 19:00	Calib	
8/14/2020 20:00	Calib	
8/14/2020 21:00	0.5	
8/14/2020 22:00	0.4	
8/14/2020 23:00	0.4	
8/15/2020 0:00	0.4	
8/15/2020 1:00	0.4	
8/15/2020 2:00	0.3	
8/15/2020 3:00	0.3	
8/15/2020 4:00	0.3	
8/15/2020 5:00	0.3	
8/15/2020 6:00	0.4	
8/15/2020 7:00	0.5	
8/15/2020 8:00	1.2	
8/15/2020 9:00	138	
8/15/2020 10:00	352.3	
8/15/2020 11:00	68.8	
8/15/2020 12:00	5	
8/15/2020 13:00	20.2	
8/15/2020 14:00	170.1	
8/15/2020 15:00	29.4	
8/15/2020 16:00	4.4	
8/15/2020 17:00	31.8	
8/15/2020 18:00	20.5	
8/15/2020 19:00	0.6	
8/15/2020 20:00	58.3	
8/15/2020 21:00	45.8	
8/15/2020 22:00	21.5	
8/15/2020 23:00	1.1	
8/16/2020 0:00	0.7	
8/16/2020 1:00	0.7	
8/16/2020 2:00	0.8	
8/16/2020 3:00	0.7	
8/16/2020 4:00	0.5	
8/16/2020 5:00	0.6	
8/16/2020 6:00	0.7	
8/16/2020 7:00	2	
8/16/2020 8:00	9.3	
8/16/2020 9:00	133.9	

Date & Time	SO2 ppb	Max Hr/Day
8/16/2020 10:00	97.8	
8/16/2020 11:00	4.2	
8/16/2020 12:00	24	
8/16/2020 13:00	54.4	
8/16/2020 14:00	101	
8/16/2020 15:00	132.4	
8/16/2020 16:00	34.5	
8/16/2020 17:00	4.6	
8/16/2020 18:00	9	
8/16/2020 19:00	103.7	
8/16/2020 20:00	13.7	
8/16/2020 21:00	23.1	
8/16/2020 22:00	7.4	
8/16/2020 23:00	1.6	
8/17/2020 0:00	1.1	
8/17/2020 1:00	0.8	
8/17/2020 2:00	0.8	
8/17/2020 3:00	0.5	
8/17/2020 4:00	0.3	
8/17/2020 5:00	0.2	
8/17/2020 6:00	4.5	
8/17/2020 7:00	47.2	
8/17/2020 8:00	53.2	
8/17/2020 9:00	68.7	
8/17/2020 10:00	77.8	
8/17/2020 11:00	153.4	
8/17/2020 12:00	160.2	
8/17/2020 13:00	153.8	
8/17/2020 14:00	136.6	
8/17/2020 15:00	40.5	
8/17/2020 16:00	1.4	
8/17/2020 17:00	1.2	
8/17/2020 18:00	1	
8/17/2020 19:00	5.4	
8/17/2020 20:00	29.8	
8/17/2020 21:00	38.7	
8/17/2020 22:00	27	
8/17/2020 23:00	50.7	
8/18/2020 0:00	5.3	
8/18/2020 1:00	3.9	
8/18/2020 2:00	NoData	
8/18/2020 3:00	NoData	
8/18/2020 4:00	1.9	
8/18/2020 5:00	3.3	
8/18/2020 6:00	4.2	
8/18/2020 7:00	6.8	

Date & Time	SO2 ppb	Max Hr/Day
8/18/2020 8:00	3.4	
8/18/2020 9:00	16	
8/18/2020 10:00	135.3	
8/18/2020 11:00	99.5	
8/18/2020 12:00	193.1	
8/18/2020 13:00	145.6	
8/18/2020 14:00	134.5	
8/18/2020 15:00	116.7	
8/18/2020 16:00	89	
8/18/2020 17:00	64.2	
8/18/2020 18:00	84.7	
8/18/2020 19:00	5.2	
8/18/2020 20:00	0.9	
8/18/2020 21:00	0.5	
8/18/2020 22:00	0.3	
8/18/2020 23:00	0.3	
8/19/2020 0:00	0.3	
8/19/2020 1:00	0.5	
8/19/2020 2:00	1.2	
8/19/2020 3:00	0.9	
8/19/2020 4:00	0.9	
8/19/2020 5:00	0.7	
8/19/2020 6:00	1.7	
8/19/2020 7:00	0.9	
8/19/2020 8:00	4.9	
8/19/2020 9:00	0.7	
8/19/2020 10:00	0.6	
8/19/2020 11:00	0.4	
8/19/2020 12:00	0.4	
8/19/2020 13:00	0.4	
8/19/2020 14:00	0.4	
8/19/2020 15:00	0.5	
8/19/2020 16:00	0.3	
8/19/2020 17:00	0.2	
8/19/2020 18:00	0.3	
8/19/2020 19:00	0.4	
8/19/2020 20:00	0.6	
8/19/2020 21:00	1	
8/19/2020 22:00	0.9	
8/19/2020 23:00	0.4	
8/20/2020 0:00	0.3	
8/20/2020 1:00	0.3	
8/20/2020 2:00	0.2	
8/20/2020 3:00	0.3	
8/20/2020 4:00	0.2	
8/20/2020 5:00	0.2	

Date & Time	SO2 ppb	Max Hr/Day
8/20/2020 6:00	9.2	
8/20/2020 7:00	44.8	
8/20/2020 8:00	144.6	
8/20/2020 9:00	169.3	
8/20/2020 10:00	174.4	
8/20/2020 11:00	133.1	
8/20/2020 12:00	82.5	
8/20/2020 13:00	58.6	
8/20/2020 14:00	57.2	
8/20/2020 15:00	95.9	
8/20/2020 16:00	30.3	
8/20/2020 17:00	26.8	
8/20/2020 18:00	15.6	
8/20/2020 19:00	30.6	
8/20/2020 20:00	54.3	
8/20/2020 21:00	56	
8/20/2020 22:00	87.8	
8/20/2020 23:00	14.6	
8/21/2020 0:00	90.6	
8/21/2020 1:00	92.6	
8/21/2020 2:00	35.6	
8/21/2020 3:00	66.1	
8/21/2020 4:00	62	
8/21/2020 5:00	249.5	
8/21/2020 6:00	252.2	
8/21/2020 7:00	270.8	
8/21/2020 8:00	242.2	
8/21/2020 9:00	139.8	
8/21/2020 10:00	90	
8/21/2020 11:00	178.8	
8/21/2020 12:00	112.6	
8/21/2020 13:00	89.9	
8/21/2020 14:00	83	
8/21/2020 15:00	119.7	
8/21/2020 16:00	129	
8/21/2020 17:00	144.8	
8/21/2020 18:00	167.5	
8/21/2020 19:00	183.7	
8/21/2020 20:00	310.1	
8/21/2020 21:00	338.9	
8/21/2020 22:00	127.7	
8/21/2020 23:00	292.3	
8/22/2020 0:00	182.6	
8/22/2020 1:00	226.5	
8/22/2020 2:00	120.1	
8/22/2020 3:00	28.4	

Date & Time	SO2 ppb	Max Hr/Day
8/22/2020 4:00	11.9	
8/22/2020 5:00	2.2	
8/22/2020 6:00	13.1	
8/22/2020 7:00	79.7	
8/22/2020 8:00	257.5	
8/22/2020 9:00	79.7	
8/22/2020 10:00	69.9	
8/22/2020 11:00	53.2	
8/22/2020 12:00	93.4	
8/22/2020 13:00	57.3	
8/22/2020 14:00	89.8	
8/22/2020 15:00	72	
8/22/2020 16:00	102.7	
8/22/2020 17:00	57.6	
8/22/2020 18:00	112.5	
8/22/2020 19:00	259.2	
8/22/2020 20:00	163.8	
8/22/2020 21:00	34.1	
8/22/2020 22:00	22.9	
8/22/2020 23:00	58.6	
8/23/2020 0:00	8.3	
8/23/2020 1:00	75	
8/23/2020 2:00	6.2	
8/23/2020 3:00	3.7	
8/23/2020 4:00	4.4	
8/23/2020 5:00	1.6	
8/23/2020 6:00	1.2	
8/23/2020 7:00	69.7	
8/23/2020 8:00	242.2	
8/23/2020 9:00	275.3	
8/23/2020 10:00	150.2	
8/23/2020 11:00	67.1	
8/23/2020 12:00	62.5	
8/23/2020 13:00	27.6	
8/23/2020 14:00	29.1	
8/23/2020 15:00	28.3	
8/23/2020 16:00	30.8	
8/23/2020 17:00	18.3	
8/23/2020 18:00	51.9	
8/23/2020 19:00	97.7	
8/23/2020 20:00	76.2	
8/23/2020 21:00	100.8	
8/23/2020 22:00	45.7	
8/23/2020 23:00	8	
8/24/2020 0:00	18.5	
8/24/2020 1:00	16.4	

Date & Time	SO2 ppb	Max Hr/Day
8/24/2020 2:00	86.9	
8/24/2020 3:00	167.1	
8/24/2020 4:00	90.8	
8/24/2020 5:00	20.9	
8/24/2020 6:00	40.3	
8/24/2020 7:00	179.2	
8/24/2020 8:00	339.8	
8/24/2020 9:00	146.8	
8/24/2020 10:00	NoData	
8/24/2020 11:00	NoData	
8/24/2020 12:00	Calib	
8/24/2020 13:00	Calib	
8/24/2020 14:00	146.6	
8/24/2020 15:00	148.7	
8/24/2020 16:00	159.9	
8/24/2020 17:00	178.1	
8/24/2020 18:00	174.4	
8/24/2020 19:00	159.2	
8/24/2020 20:00	256.5	
8/24/2020 21:00	341.2	
8/24/2020 22:00	313.7	
8/24/2020 23:00	356.5	
8/25/2020 0:00	243.4	
8/25/2020 1:00	75.2	
8/25/2020 2:00	Calib	
8/25/2020 3:00	Calib	
8/25/2020 4:00	35.3	
8/25/2020 5:00	160.4	
8/25/2020 6:00	296.6	
8/25/2020 7:00	234.8	
8/25/2020 8:00	130.8	
8/25/2020 9:00	139.2	
8/25/2020 10:00	88.6	
8/25/2020 11:00	4.4	
8/25/2020 12:00	0.9	
8/25/2020 13:00	0.5	
8/25/2020 14:00	0.4	
8/25/2020 15:00	0.3	
8/25/2020 16:00	0.3	
8/25/2020 17:00	0.3	
8/25/2020 18:00	0.3	
8/25/2020 19:00	0.3	
8/25/2020 20:00	0.4	
8/25/2020 21:00	0.4	
8/25/2020 22:00	0.4	
8/25/2020 23:00	0.4	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/26/2020 0:00	0.5	
8/26/2020 1:00	0.5	
8/26/2020 2:00	Calib	
8/26/2020 3:00	Calib	
8/26/2020 4:00	0.5	
8/26/2020 5:00	0.7	
8/26/2020 6:00	0.6	
8/26/2020 7:00	0.2	
8/26/2020 8:00	0.2	
8/26/2020 9:00	0.4	
8/26/2020 10:00	9.1	
8/26/2020 11:00	42.6	
8/26/2020 12:00	87.7	
8/26/2020 13:00	73.9	
8/26/2020 14:00	36.7	
8/26/2020 15:00	23.3	
8/26/2020 16:00	17.1	
8/26/2020 17:00	116	
8/26/2020 18:00	13.5	
8/26/2020 19:00	30.5	
8/26/2020 20:00	10.9	
8/26/2020 21:00	8.5	
8/26/2020 22:00	7.8	
8/26/2020 23:00	1	
8/27/2020 0:00	0.6	
8/27/2020 1:00	0.4	
8/27/2020 2:00	2	
8/27/2020 3:00	9.8	
8/27/2020 4:00	44.3	
8/27/2020 5:00	127	
8/27/2020 6:00	191.2	
8/27/2020 7:00	175.2	
8/27/2020 8:00	156.8	
8/27/2020 9:00	148.9	
8/27/2020 10:00	175.5	
8/27/2020 11:00	149.6	
8/27/2020 12:00	132.1	
8/27/2020 13:00	127.6	
8/27/2020 14:00	86.1	
8/27/2020 15:00	13.4	
8/27/2020 16:00	18.1	
8/27/2020 17:00	74.8	
8/27/2020 18:00	25.9	
8/27/2020 19:00	37.8	
8/27/2020 20:00	23.5	
8/27/2020 21:00	6.1	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/27/2020 22:00	2.2	
8/27/2020 23:00	1	
8/28/2020 0:00	0.6	
8/28/2020 1:00	0.5	
8/28/2020 2:00	Calib	
8/28/2020 3:00	Calib	
8/28/2020 4:00	2.3	
8/28/2020 5:00	1.6	
8/28/2020 6:00	2	
8/28/2020 7:00	NoData	
8/28/2020 8:00	NoData	
8/28/2020 9:00	Zero	
8/28/2020 10:00	Calib	
8/28/2020 11:00	Calib	
8/28/2020 12:00	Calib	
8/28/2020 13:00	125.5	
8/28/2020 14:00	1.4	
8/28/2020 15:00	0.6	
8/28/2020 16:00	0.4	
8/28/2020 17:00	0.4	
8/28/2020 18:00	0.3	
8/28/2020 19:00	0.3	
8/28/2020 20:00	0.3	
8/28/2020 21:00	0.3	
8/28/2020 22:00	109.6	
8/28/2020 23:00	272	
8/29/2020 0:00	336.9	
8/29/2020 1:00	259.2	
8/29/2020 2:00	338.3	
8/29/2020 3:00	222	
8/29/2020 4:00	256.9	
8/29/2020 5:00	269.9	
8/29/2020 6:00	105.6	
8/29/2020 7:00	220.7	
8/29/2020 8:00	234.4	
8/29/2020 9:00	161.5	
8/29/2020 10:00	137	
8/29/2020 11:00	112.8	
8/29/2020 12:00	112.8	
8/29/2020 13:00	99.6	
8/29/2020 14:00	87.2	
8/29/2020 15:00	46.5	
8/29/2020 16:00	7.4	
8/29/2020 17:00	3.3	
8/29/2020 18:00	1.2	
8/29/2020 19:00	1.4	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/29/2020 20:00	2.1	
8/29/2020 21:00	1.8	
8/29/2020 22:00	1.4	
8/29/2020 23:00	4.6	
8/30/2020 0:00	8.9	
8/30/2020 1:00	10.2	
8/30/2020 2:00	10.7	
8/30/2020 3:00	5.8	
8/30/2020 4:00	1.2	
8/30/2020 5:00	0.8	
8/30/2020 6:00	1	
8/30/2020 7:00	1.3	
8/30/2020 8:00	1	
8/30/2020 9:00	0.6	
8/30/2020 10:00	0.3	
8/30/2020 11:00	0.3	
8/30/2020 12:00	9.3	
8/30/2020 13:00	0.8	
8/30/2020 14:00	0.9	
8/30/2020 15:00	1.1	
8/30/2020 16:00	2.2	
8/30/2020 17:00	0.2	
8/30/2020 18:00	0.2	
8/30/2020 19:00	0.2	
8/30/2020 20:00	0.2	
8/30/2020 21:00	1.3	
8/30/2020 22:00	0.3	
8/30/2020 23:00	0.3	
8/31/2020 0:00	0.2	
8/31/2020 1:00	0.2	
8/31/2020 2:00	Calib	
8/31/2020 3:00	Calib	
8/31/2020 4:00	0.3	
8/31/2020 5:00	0.3	
8/31/2020 6:00	0.3	
8/31/2020 7:00	0.3	
8/31/2020 8:00	0.2	
8/31/2020 9:00	0.2	
8/31/2020 10:00	0.2	
8/31/2020 11:00	0.4	
8/31/2020 12:00	0.5	
8/31/2020 13:00	0.8	
8/31/2020 14:00	0.7	
8/31/2020 15:00	2.7	
8/31/2020 16:00	1.8	
8/31/2020 17:00	5.4	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
8/31/2020 18:00	2.7	
8/31/2020 19:00	2.6	
8/31/2020 20:00	9.6	
8/31/2020 21:00	7.6	
8/31/2020 22:00	34.3	
8/31/2020 23:00	28.4	
9/1/2020 0:00	23.3	
9/1/2020 1:00	8.3	
9/1/2020 2:00	3.2	
9/1/2020 3:00	2.9	
9/1/2020 4:00	1.1	
9/1/2020 5:00	16.2	
9/1/2020 6:00	2.9	
9/1/2020 7:00	1.1	
9/1/2020 8:00	22.6	
9/1/2020 9:00	101.5	
9/1/2020 10:00	173.6	
9/1/2020 11:00	100.6	
9/1/2020 12:00	153.3	
9/1/2020 13:00	67.4	
9/1/2020 14:00	83.5	
9/1/2020 15:00	120.8	
9/1/2020 16:00	7.6	
9/1/2020 17:00	5.6	
9/1/2020 18:00	5.8	
9/1/2020 19:00	4	
9/1/2020 20:00	3.4	
9/1/2020 21:00	3.1	
9/1/2020 22:00	2.8	
9/1/2020 23:00	2.6	
9/2/2020 0:00	2.2	
9/2/2020 1:00	1.8	
9/2/2020 2:00	1.7	
9/2/2020 3:00	3.5	
9/2/2020 4:00	5.6	
9/2/2020 5:00	5.2	
9/2/2020 6:00	8.4	
9/2/2020 7:00	23.9	
9/2/2020 8:00	69.2	
9/2/2020 9:00	100.8	
9/2/2020 10:00	77.6	
9/2/2020 11:00	27	
9/2/2020 12:00	20.4	
9/2/2020 13:00	141.8	
9/2/2020 14:00	142.7	
9/2/2020 15:00	134.3	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/2/2020 16:00	111.2	
9/2/2020 17:00	90.5	
9/2/2020 18:00	75.1	
9/2/2020 19:00	11.5	
9/2/2020 20:00	7.3	
9/2/2020 21:00	12.3	
9/2/2020 22:00	2	
9/2/2020 23:00	1.1	
9/3/2020 0:00	0.7	
9/3/2020 1:00	0.6	
9/3/2020 2:00	Calib	
9/3/2020 3:00	Calib	
9/3/2020 4:00	2.7	
9/3/2020 5:00	1.6	
9/3/2020 6:00	2.9	
9/3/2020 7:00	20.8	
9/3/2020 8:00	73.2	
9/3/2020 9:00	157.1	
9/3/2020 10:00	166.6	
9/3/2020 11:00	138.7	
9/3/2020 12:00	129.9	
9/3/2020 13:00	159.5	
9/3/2020 14:00	85.8	
9/3/2020 15:00	113	
9/3/2020 16:00	109.6	
9/3/2020 17:00	74	
9/3/2020 18:00	175.5	
9/3/2020 19:00	181	
9/3/2020 20:00	131.2	
9/3/2020 21:00	79.4	
9/3/2020 22:00	24.4	
9/3/2020 23:00	1.7	
9/4/2020 0:00	1.1	
9/4/2020 1:00	1.1	
9/4/2020 2:00	0.5	
9/4/2020 3:00	0.6	
9/4/2020 4:00	NoData	
9/4/2020 5:00	Calib	
9/4/2020 6:00	Calib	
9/4/2020 7:00	9.5	
9/4/2020 8:00	0.7	
9/4/2020 9:00	12.3	
9/4/2020 10:00	196.9	
9/4/2020 11:00	261.7	
9/4/2020 12:00	NoData	
9/4/2020 13:00	144.2	

Date & Time	SO2 ppb	Max Hr/Day
9/4/2020 14:00	127.8	
9/4/2020 15:00	131.3	
9/4/2020 16:00	116.8	
9/4/2020 17:00	102.6	
9/4/2020 18:00	61.3	
9/4/2020 19:00	0.5	
9/4/2020 20:00	0.3	
9/4/2020 21:00	0.3	
9/4/2020 22:00	0.3	
9/4/2020 23:00	0.9	
9/5/2020 0:00	4.3	
9/5/2020 1:00	0.9	
9/5/2020 2:00	2	
9/5/2020 3:00	2.6	
9/5/2020 4:00	3.3	
9/5/2020 5:00	37.7	
9/5/2020 6:00	8.2	
9/5/2020 7:00	46.4	
9/5/2020 8:00	222.7	
9/5/2020 9:00	216.5	
9/5/2020 10:00	182.9	
9/5/2020 11:00	79.3	
9/5/2020 12:00	30.3	
9/5/2020 13:00	15.4	
9/5/2020 14:00	69.1	
9/5/2020 15:00	52.2	
9/5/2020 16:00	7.1	
9/5/2020 17:00	8.7	
9/5/2020 18:00	56.6	
9/5/2020 19:00	17.9	
9/5/2020 20:00	24.4	
9/5/2020 21:00	33.1	
9/5/2020 22:00	4.9	
9/5/2020 23:00	71	
9/6/2020 0:00	24.9	
9/6/2020 1:00	3.9	
9/6/2020 2:00	Calib	
9/6/2020 3:00	Calib	
9/6/2020 4:00	1	
9/6/2020 5:00	0.5	
9/6/2020 6:00	0.6	
9/6/2020 7:00	1.9	
9/6/2020 8:00	2.4	
9/6/2020 9:00	2.3	
9/6/2020 10:00	2	
9/6/2020 11:00	1.6	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/6/2020 12:00	2.8	
9/6/2020 13:00	42.6	
9/6/2020 14:00	21	
9/6/2020 15:00	16.4	
9/6/2020 16:00	6	
9/6/2020 17:00	24.7	
9/6/2020 18:00	83.8	
9/6/2020 19:00	57.1	
9/6/2020 20:00	1.9	
9/6/2020 21:00	6.2	
9/6/2020 22:00	6.3	
9/6/2020 23:00	4	
9/7/2020 0:00	66.8	
9/7/2020 1:00	172.5	
9/7/2020 2:00	132.8	
9/7/2020 3:00	137.1	
9/7/2020 4:00	202.1	
9/7/2020 5:00	252.5	
9/7/2020 6:00	34.4	
9/7/2020 7:00	29.2	
9/7/2020 8:00	155.5	
9/7/2020 9:00	166.1	
9/7/2020 10:00	177.5	
9/7/2020 11:00	173.8	
9/7/2020 12:00	172.6	
9/7/2020 13:00	170.4	
9/7/2020 14:00	116.5	
9/7/2020 15:00	167.6	
9/7/2020 16:00	174.2	
9/7/2020 17:00	208.1	
9/7/2020 18:00	166	
9/7/2020 19:00	54.8	
9/7/2020 20:00	25.1	
9/7/2020 21:00	82	
9/7/2020 22:00	5.4	
9/7/2020 23:00	2.2	
9/8/2020 0:00	1.2	
9/8/2020 1:00	0.9	
9/8/2020 2:00	0.5	
9/8/2020 3:00	0.5	
9/8/2020 4:00	0.5	
9/8/2020 5:00	0.4	
9/8/2020 6:00	0.4	
9/8/2020 7:00	0.4	
9/8/2020 8:00	0.4	
9/8/2020 9:00	23.2	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/8/2020 10:00	32.9	
9/8/2020 11:00	68.9	
9/8/2020 12:00	1.2	
9/8/2020 13:00	18.8	
9/8/2020 14:00	5.6	
9/8/2020 15:00	0.4	
9/8/2020 16:00	0.3	
9/8/2020 17:00	0.3	
9/8/2020 18:00	0.3	
9/8/2020 19:00	0.3	
9/8/2020 20:00	0.3	
9/8/2020 21:00	0.2	
9/8/2020 22:00	0.2	
9/8/2020 23:00	0.2	
9/9/2020 0:00	0.3	
9/9/2020 1:00	0.3	
9/9/2020 2:00	Calib	
9/9/2020 3:00	Calib	
9/9/2020 4:00	0.3	
9/9/2020 5:00	0.3	
9/9/2020 6:00	0.3	
9/9/2020 7:00	0.5	
9/9/2020 8:00	0.5	
9/9/2020 9:00	0.9	
9/9/2020 10:00	52.7	
9/9/2020 11:00	NoData	
9/9/2020 12:00	NoData	
9/9/2020 13:00	5.4	
9/9/2020 14:00	1.3	
9/9/2020 15:00	0.8	
9/9/2020 16:00	0.4	
9/9/2020 17:00	0.3	
9/9/2020 18:00	0.3	
9/9/2020 19:00	0.3	
9/9/2020 20:00	0.3	
9/9/2020 21:00	0.3	
9/9/2020 22:00	0.2	
9/9/2020 23:00	0.2	
9/10/2020 0:00	0.2	
9/10/2020 1:00	0.3	
9/10/2020 2:00	0.8	
9/10/2020 3:00	0.5	
9/10/2020 4:00	0.4	
9/10/2020 5:00	0.3	
9/10/2020 6:00	1.1	
9/10/2020 7:00	0.9	

Date & Time	SO2 ppb	Max Hr/Day
9/10/2020 8:00	31.7	
9/10/2020 9:00	132.4	
9/10/2020 10:00	21	
9/10/2020 11:00	2	
9/10/2020 12:00	1.2	
9/10/2020 13:00	0.7	
9/10/2020 14:00	0.7	
9/10/2020 15:00	0.5	
9/10/2020 16:00	0.3	
9/10/2020 17:00	0.2	
9/10/2020 18:00	0.2	
9/10/2020 19:00	0.2	
9/10/2020 20:00	0.2	
9/10/2020 21:00	0.2	
9/10/2020 22:00	0.3	
9/10/2020 23:00	0.3	
9/11/2020 0:00	0.4	
9/11/2020 1:00	0.3	
9/11/2020 2:00	0.2	
9/11/2020 3:00	0.1	
9/11/2020 4:00	0.1	
9/11/2020 5:00	0.1	
9/11/2020 6:00	0.1	
9/11/2020 7:00	0.1	
9/11/2020 8:00	0.1	
9/11/2020 9:00	0.1	
9/11/2020 10:00	0.1	
9/11/2020 11:00	0.1	
9/11/2020 12:00	0.1	
9/11/2020 13:00	0.1	
9/11/2020 14:00	0.1	
9/11/2020 15:00	0.1	
9/11/2020 16:00	0.1	
9/11/2020 17:00	0.1	
9/11/2020 18:00	0.1	
9/11/2020 19:00	0.1	
9/11/2020 20:00	0.1	
9/11/2020 21:00	0.1	
9/11/2020 22:00	0.1	
9/11/2020 23:00	0.1	
9/12/2020 0:00	0.1	
9/12/2020 1:00	0.1	
9/12/2020 2:00	Calib	
9/12/2020 3:00	Calib	
9/12/2020 4:00	0.1	
9/12/2020 5:00	0.1	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/12/2020 6:00	0.1	
9/12/2020 7:00	0.1	
9/12/2020 8:00	0.1	
9/12/2020 9:00	0.2	
9/12/2020 10:00	0.2	
9/12/2020 11:00	1.3	
9/12/2020 12:00	4.5	
9/12/2020 13:00	20.2	
9/12/2020 14:00	31	
9/12/2020 15:00	5.5	
9/12/2020 16:00	0.3	
9/12/2020 17:00	0.4	
9/12/2020 18:00	0.2	
9/12/2020 19:00	0.1	
9/12/2020 20:00	0.3	
9/12/2020 21:00	0.2	
9/12/2020 22:00	0.2	
9/12/2020 23:00	0.2	
9/13/2020 0:00	0.2	
9/13/2020 1:00	13.7	
9/13/2020 2:00	30.3	
9/13/2020 3:00	22	
9/13/2020 4:00	7.4	
9/13/2020 5:00	13.3	
9/13/2020 6:00	1.3	
9/13/2020 7:00	4.4	
9/13/2020 8:00	6.2	
9/13/2020 9:00	10.4	
9/13/2020 10:00	31.9	
9/13/2020 11:00	95	
9/13/2020 12:00	129.9	
9/13/2020 13:00	94.3	
9/13/2020 14:00	112.2	
9/13/2020 15:00	105.8	
9/13/2020 16:00	92.9	
9/13/2020 17:00	96.9	
9/13/2020 18:00	24.8	
9/13/2020 19:00	2.3	
9/13/2020 20:00	0.7	
9/13/2020 21:00	0.7	
9/13/2020 22:00	0.7	
9/13/2020 23:00	0.6	
9/14/2020 0:00	0.6	
9/14/2020 1:00	0.4	
9/14/2020 2:00	0.4	
9/14/2020 3:00	0.9	

Date & Time	SO2 ppb	Max Hr/Day
9/14/2020 4:00	0.8	
9/14/2020 5:00	0.6	
9/14/2020 6:00	0.5	
9/14/2020 7:00	0.6	
9/14/2020 8:00	0.5	
9/14/2020 9:00	0.4	
9/14/2020 10:00	0.4	
9/14/2020 11:00	0.1	
9/14/2020 12:00	0.3	
9/14/2020 13:00	0.1	
9/14/2020 14:00	0.2	
9/14/2020 15:00	0.2	
9/14/2020 16:00	0.2	
9/14/2020 17:00	0.2	
9/14/2020 18:00	0.2	
9/14/2020 19:00	0.3	
9/14/2020 20:00	0.3	
9/14/2020 21:00	0.3	
9/14/2020 22:00	0.3	
9/14/2020 23:00	0.3	
9/15/2020 0:00	0.3	
9/15/2020 1:00	0.3	
9/15/2020 2:00	Calib	
9/15/2020 3:00	Calib	
9/15/2020 4:00	0.3	
9/15/2020 5:00	0.2	
9/15/2020 6:00	0.3	
9/15/2020 7:00	0.4	
9/15/2020 8:00	0.6	
9/15/2020 9:00	15.2	
9/15/2020 10:00	89.1	
9/15/2020 11:00	92.1	
9/15/2020 12:00	142.8	
9/15/2020 13:00	35.9	
9/15/2020 14:00	28.7	
9/15/2020 15:00	22.3	
9/15/2020 16:00	43.5	
9/15/2020 17:00	133	
9/15/2020 18:00	36.6	
9/15/2020 19:00	47	
9/15/2020 20:00	4.9	
9/15/2020 21:00	5.8	
9/15/2020 22:00	108.1	
9/15/2020 23:00	78	
9/16/2020 0:00	122.9	
9/16/2020 1:00	121.6	

Date & Time	SO2 ppb	Max Hr/Day
9/16/2020 2:00	101.1	
9/16/2020 3:00	89.4	
9/16/2020 4:00	106.6	
9/16/2020 5:00	93	
9/16/2020 6:00	54.5	
9/16/2020 7:00	98.3	
9/16/2020 8:00	106.8	
9/16/2020 9:00	152.9	
9/16/2020 10:00	162.6	
9/16/2020 11:00	157.5	
9/16/2020 12:00	172.7	
9/16/2020 13:00	78.6	
9/16/2020 14:00	69.5	
9/16/2020 15:00	88	
9/16/2020 16:00	95.7	
9/16/2020 17:00	76.1	
9/16/2020 18:00	124.5	
9/16/2020 19:00	127.6	
9/16/2020 20:00	117.8	
9/16/2020 21:00	158.9	
9/16/2020 22:00	105.1	
9/16/2020 23:00	78.5	
9/17/2020 0:00	160.1	
9/17/2020 1:00	89.5	
9/17/2020 2:00	9.6	
9/17/2020 3:00	2.3	
9/17/2020 4:00	0.9	
9/17/2020 5:00	0.7	
9/17/2020 6:00	0.7	
9/17/2020 7:00	0.7	
9/17/2020 8:00	0.6	
9/17/2020 9:00	0.6	
9/17/2020 10:00	0.4	
9/17/2020 11:00	0.3	
9/17/2020 12:00	0.3	
9/17/2020 13:00	0.3	
9/17/2020 14:00	0.3	
9/17/2020 15:00	0.3	
9/17/2020 16:00	0.2	
9/17/2020 17:00	0.3	
9/17/2020 18:00	0.3	
9/17/2020 19:00	0.3	
9/17/2020 20:00	0.4	
9/17/2020 21:00	0.4	
9/17/2020 22:00	0.3	
9/17/2020 23:00	0.2	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/18/2020 0:00	0.4	
9/18/2020 1:00	0.4	
9/18/2020 2:00	Calib	
9/18/2020 3:00	Calib	
9/18/2020 4:00	0.4	
9/18/2020 5:00	0.2	
9/18/2020 6:00	0.2	
9/18/2020 7:00	0.2	
9/18/2020 8:00	0.2	
9/18/2020 9:00	0.2	
9/18/2020 10:00	0.2	
9/18/2020 11:00	0.2	
9/18/2020 12:00	0.2	
9/18/2020 13:00	0.1	
9/18/2020 14:00	0.1	
9/18/2020 15:00	0.3	
9/18/2020 16:00	0.3	
9/18/2020 17:00	0.3	
9/18/2020 18:00	0.3	
9/18/2020 19:00	0.3	
9/18/2020 20:00	1.2	
9/18/2020 21:00	0.7	
9/18/2020 22:00	0.3	
9/18/2020 23:00	0.3	
9/19/2020 0:00	0.2	
9/19/2020 1:00	0.4	
9/19/2020 2:00	0.4	
9/19/2020 3:00	0.2	
9/19/2020 4:00	0.2	
9/19/2020 5:00	0.3	
9/19/2020 6:00	0.3	
9/19/2020 7:00	0.3	
9/19/2020 8:00	0.2	
9/19/2020 9:00	0.2	
9/19/2020 10:00	0.2	
9/19/2020 11:00	0.2	
9/19/2020 12:00	4.5	
9/19/2020 13:00	0.2	
9/19/2020 14:00	0.2	
9/19/2020 15:00	0.2	
9/19/2020 16:00	0.2	
9/19/2020 17:00	0.2	
9/19/2020 18:00	0.2	
9/19/2020 19:00	0.2	
9/19/2020 20:00	0.3	
9/19/2020 21:00	0.3	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/19/2020 22:00	0.2	
9/19/2020 23:00	0.2	
9/20/2020 0:00	0.2	
9/20/2020 1:00	0.2	
9/20/2020 2:00	0.2	
9/20/2020 3:00	0.2	
9/20/2020 4:00	0.2	
9/20/2020 5:00	0.2	
9/20/2020 6:00	0.2	
9/20/2020 7:00	0.2	
9/20/2020 8:00	0.2	
9/20/2020 9:00	0.2	
9/20/2020 10:00	0.2	
9/20/2020 11:00	0.2	
9/20/2020 12:00	0.2	
9/20/2020 13:00	0.2	
9/20/2020 14:00	0.2	
9/20/2020 15:00	0.2	
9/20/2020 16:00	0.2	
9/20/2020 17:00	0.2	
9/20/2020 18:00	0.2	
9/20/2020 19:00	0.2	
9/20/2020 20:00	0.2	
9/20/2020 21:00	0.2	
9/20/2020 22:00	0.2	
9/20/2020 23:00	0.2	
9/21/2020 0:00	0.2	
9/21/2020 1:00	0.2	
9/21/2020 2:00	Calib	
9/21/2020 3:00	Calib	
9/21/2020 4:00	0.3	
9/21/2020 5:00	0.4	
9/21/2020 6:00	0.5	
9/21/2020 7:00	0.6	
9/21/2020 8:00	20.8	
9/21/2020 9:00	80.6	
9/21/2020 10:00	161.3	
9/21/2020 11:00	90.5	
9/21/2020 12:00	73.6	
9/21/2020 13:00	4.7	
9/21/2020 14:00	0.4	
9/21/2020 15:00	0.3	
9/21/2020 16:00	0.3	
9/21/2020 17:00	0.3	
9/21/2020 18:00	0.3	
9/21/2020 19:00	0.3	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/21/2020 20:00	0.3	
9/21/2020 21:00	0.3	
9/21/2020 22:00	0.3	
9/21/2020 23:00	0.3	
9/22/2020 0:00	0.2	
9/22/2020 1:00	0.2	
9/22/2020 2:00	0.2	
9/22/2020 3:00	0.2	
9/22/2020 4:00	0.3	
9/22/2020 5:00	0.4	
9/22/2020 6:00	0.4	
9/22/2020 7:00	0.7	
9/22/2020 8:00	91.9	
9/22/2020 9:00	130.8	
9/22/2020 10:00	99.8	
9/22/2020 11:00	102.4	
9/22/2020 12:00	154.1	
9/22/2020 13:00	51.2	
9/22/2020 14:00	27.3	
9/22/2020 15:00	26	
9/22/2020 16:00	47.3	
9/22/2020 17:00	93.2	
9/22/2020 18:00	110.4	
9/22/2020 19:00	98.2	
9/22/2020 20:00	99.7	
9/22/2020 21:00	101	
9/22/2020 22:00	104	
9/22/2020 23:00	106.5	
9/23/2020 0:00	33	
9/23/2020 1:00	57.1	
9/23/2020 2:00	42.8	
9/23/2020 3:00	40.6	
9/23/2020 4:00	16.6	
9/23/2020 5:00	81.8	
9/23/2020 6:00	14.7	
9/23/2020 7:00	270.4	
9/23/2020 8:00	217	
9/23/2020 9:00	150	
9/23/2020 10:00	125.7	
9/23/2020 11:00	99.8	
9/23/2020 12:00	93.6	
9/23/2020 13:00	105.9	
9/23/2020 14:00	123.9	
9/23/2020 15:00	114.1	
9/23/2020 16:00	101	
9/23/2020 17:00	98	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/23/2020 18:00	96.3	
9/23/2020 19:00	115.2	
9/23/2020 20:00	115.2	
9/23/2020 21:00	95.1	
9/23/2020 22:00	170.1	
9/23/2020 23:00	106	
9/24/2020 0:00	31.4	
9/24/2020 1:00	23.7	
9/24/2020 2:00	Calib	
9/24/2020 3:00	Calib	
9/24/2020 4:00	24	
9/24/2020 5:00	149.5	
9/24/2020 6:00	63.7	
9/24/2020 7:00	235.4	
9/24/2020 8:00	238.3	
9/24/2020 9:00	149.8	
9/24/2020 10:00	102.4	
9/24/2020 11:00	NoData	
9/24/2020 12:00	NoData	
9/24/2020 13:00	110.9	
9/24/2020 14:00	110.7	
9/24/2020 15:00	129.5	
9/24/2020 16:00	145.8	
9/24/2020 17:00	152.4	
9/24/2020 18:00	185	
9/24/2020 19:00	180.2	
9/24/2020 20:00	184.9	
9/24/2020 21:00	193.4	
9/24/2020 22:00	166.6	
9/24/2020 23:00	72.7	
9/25/2020 0:00	52.8	
9/25/2020 1:00	59.5	
9/25/2020 2:00	120.4	
9/25/2020 3:00	144.8	
9/25/2020 4:00	117.5	
9/25/2020 5:00	4	
9/25/2020 6:00	2.5	
9/25/2020 7:00	2.5	
9/25/2020 8:00	76.5	
9/25/2020 9:00	117.4	
9/25/2020 10:00	50.8	
9/25/2020 11:00	17.3	
9/25/2020 12:00	21.9	
9/25/2020 13:00	28.4	
9/25/2020 14:00	12.8	
9/25/2020 15:00	6.2	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/25/2020 16:00	54.8	
9/25/2020 17:00	122.8	
9/25/2020 18:00	3.6	
9/25/2020 19:00	2.2	
9/25/2020 20:00	1.6	
9/25/2020 21:00	1.2	
9/25/2020 22:00	3.4	
9/25/2020 23:00	1.2	
9/26/2020 0:00	0.9	
9/26/2020 1:00	0.7	
9/26/2020 2:00	0.7	
9/26/2020 3:00	2.7	
9/26/2020 4:00	0.8	
9/26/2020 5:00	0.5	
9/26/2020 6:00	0.7	
9/26/2020 7:00	1.4	
9/26/2020 8:00	58	
9/26/2020 9:00	73.9	
9/26/2020 10:00	157.5	
9/26/2020 11:00	111.2	
9/26/2020 12:00	54.8	
9/26/2020 13:00	54.8	
9/26/2020 14:00	40.3	
9/26/2020 15:00	26.3	
9/26/2020 16:00	21.6	
9/26/2020 17:00	46.5	
9/26/2020 18:00	2.6	
9/26/2020 19:00	1.2	
9/26/2020 20:00	5	
9/26/2020 21:00	6.3	
9/26/2020 22:00	3.7	
9/26/2020 23:00	1.2	
9/27/2020 0:00	1.2	
9/27/2020 1:00	19.5	
9/27/2020 2:00	Calib	
9/27/2020 3:00	Calib	
9/27/2020 4:00	26.1	
9/27/2020 5:00	40.7	
9/27/2020 6:00	48.1	
9/27/2020 7:00	38.9	
9/27/2020 8:00	85.7	
9/27/2020 9:00	127.3	
9/27/2020 10:00	151.5	
9/27/2020 11:00	153	
9/27/2020 12:00	77.6	
9/27/2020 13:00	49.2	

Date & Time	SO2 ppb	Max Hr/Day
9/27/2020 14:00	35.8	
9/27/2020 15:00	53.7	
9/27/2020 16:00	41.1	
9/27/2020 17:00	34.9	
9/27/2020 18:00	7.8	
9/27/2020 19:00	2.6	
9/27/2020 20:00	2.6	
9/27/2020 21:00	1.4	
9/27/2020 22:00	0.9	
9/27/2020 23:00	0.6	
9/28/2020 0:00	0.6	
9/28/2020 1:00	2.3	
9/28/2020 2:00	0.5	
9/28/2020 3:00	0.6	
9/28/2020 4:00	2.5	
9/28/2020 5:00	1	
9/28/2020 6:00	3.4	
9/28/2020 7:00	2.1	
9/28/2020 8:00	16.3	
9/28/2020 9:00	105.8	
9/28/2020 10:00	95.3	
9/28/2020 11:00	60.5	
9/28/2020 12:00	150.3	
9/28/2020 13:00	75.9	
9/28/2020 14:00	33.1	
9/28/2020 15:00	46.6	
9/28/2020 16:00	8.1	
9/28/2020 17:00	0.8	
9/28/2020 18:00	1.3	
9/28/2020 19:00	0.7	
9/28/2020 20:00	1.6	
9/28/2020 21:00	5	
9/28/2020 22:00	16.2	
9/28/2020 23:00	102.2	
9/29/2020 0:00	93.3	
9/29/2020 1:00	26.4	
9/29/2020 2:00	1.7	
9/29/2020 3:00	1.8	
9/29/2020 4:00	1.3	
9/29/2020 5:00	1.8	
9/29/2020 6:00	5.4	
9/29/2020 7:00	132.6	
9/29/2020 8:00	160.9	
9/29/2020 9:00	70.4	
9/29/2020 10:00	172.7	
9/29/2020 11:00	166.1	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
9/29/2020 12:00	273.3	
9/29/2020 13:00	58.7	
9/29/2020 14:00	22.9	
9/29/2020 15:00	33.3	
9/29/2020 16:00	93.6	
9/29/2020 17:00	131.6	
9/29/2020 18:00	112.8	
9/29/2020 19:00	18	
9/29/2020 20:00	3.5	
9/29/2020 21:00	85	
9/29/2020 22:00	1.8	
9/29/2020 23:00	0.7	
9/30/2020 0:00	0.5	
9/30/2020 1:00	0.8	
9/30/2020 2:00	Calib	
9/30/2020 3:00	Calib	
9/30/2020 4:00	2.3	
9/30/2020 5:00	12.3	
9/30/2020 6:00	38.2	
9/30/2020 7:00	81.7	
9/30/2020 8:00	70.5	
9/30/2020 9:00	33.4	
9/30/2020 10:00	65.8	
9/30/2020 11:00	55.1	
9/30/2020 12:00	163.6	
9/30/2020 13:00	151.3	
9/30/2020 14:00	90.2	
9/30/2020 15:00	36	
9/30/2020 16:00	72.4	
9/30/2020 17:00	69.3	
9/30/2020 18:00	85	
9/30/2020 19:00	113.2	
9/30/2020 20:00	120.7	
9/30/2020 21:00	149.7	
9/30/2020 22:00	112.8	
9/30/2020 23:00	56	
10/1/2020 0:00	4.2	
10/1/2020 1:00	2	
10/1/2020 2:00	4.5	
10/1/2020 3:00	9.8	
10/1/2020 4:00	3.3	
10/1/2020 5:00	45.2	
10/1/2020 6:00	19.7	
10/1/2020 7:00	44.3	
10/1/2020 8:00	87.9	
10/1/2020 9:00	67.7	

Date & Time	SO2 ppb	Max Hr/Day
10/1/2020 10:00	75.1	
10/1/2020 11:00	83.2	
10/1/2020 12:00	94.5	
10/1/2020 13:00	101.9	
10/1/2020 14:00	116.5	
10/1/2020 15:00	118.7	
10/1/2020 16:00	36.3	
10/1/2020 17:00	4.1	
10/1/2020 18:00	8.7	
10/1/2020 19:00	31.9	
10/1/2020 20:00	59.8	
10/1/2020 21:00	2.1	
10/1/2020 22:00	14.7	
10/1/2020 23:00	9.8	
10/2/2020 0:00	6.5	
10/2/2020 1:00	11.6	
10/2/2020 2:00	7.4	
10/2/2020 3:00	11.8	
10/2/2020 4:00	21.2	
10/2/2020 5:00	1.8	
10/2/2020 6:00	1.8	
10/2/2020 7:00	5.2	
10/2/2020 8:00	24.1	
10/2/2020 9:00	104	
10/2/2020 10:00	166.6	
10/2/2020 11:00	156.4	
10/2/2020 12:00	163.9	
10/2/2020 13:00	45.5	
10/2/2020 14:00	14.1	
10/2/2020 15:00	1.3	
10/2/2020 16:00	1.1	
10/2/2020 17:00	1	
10/2/2020 18:00	3	
10/2/2020 19:00	0.8	
10/2/2020 20:00	0.7	
10/2/2020 21:00	0.6	
10/2/2020 22:00	0.5	
10/2/2020 23:00	0.4	
10/3/2020 0:00	0.4	
10/3/2020 1:00	0.5	
10/3/2020 2:00	Calib	
10/3/2020 3:00	Calib	
10/3/2020 4:00	0.5	
10/3/2020 5:00	0.6	
10/3/2020 6:00	0.7	
10/3/2020 7:00	1.2	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
10/3/2020 8:00	8.1	
10/3/2020 9:00	19.2	
10/3/2020 10:00	32	
10/3/2020 11:00	43.8	
10/3/2020 12:00	60.5	
10/3/2020 13:00	40.2	
10/3/2020 14:00	1.2	
10/3/2020 15:00	0.5	
10/3/2020 16:00	0.4	
10/3/2020 17:00	0.4	
10/3/2020 18:00	1.6	
10/3/2020 19:00	0.5	
10/3/2020 20:00	12.3	
10/3/2020 21:00	7.5	
10/3/2020 22:00	1.3	
10/3/2020 23:00	0.8	
10/4/2020 0:00	0.8	
10/4/2020 1:00	0.6	
10/4/2020 2:00	0.5	
10/4/2020 3:00	0.4	
10/4/2020 4:00	0.4	
10/4/2020 5:00	0.4	
10/4/2020 6:00	0.3	
10/4/2020 7:00	0.5	
10/4/2020 8:00	0.4	
10/4/2020 9:00	0.4	
10/4/2020 10:00	1.2	
10/4/2020 11:00	16.8	
10/4/2020 12:00	90.9	
10/4/2020 13:00	59.6	
10/4/2020 14:00	24.6	
10/4/2020 15:00	28.1	
10/4/2020 16:00	0.7	
10/4/2020 17:00	0.6	
10/4/2020 18:00	0.5	
10/4/2020 19:00	0.5	
10/4/2020 20:00	0.5	
10/4/2020 21:00	0.6	
10/4/2020 22:00	0.9	
10/4/2020 23:00	9.7	
10/5/2020 0:00	2	
10/5/2020 1:00	0.6	
10/5/2020 2:00	0.5	
10/5/2020 3:00	0.4	
10/5/2020 4:00	1	
10/5/2020 5:00	3.5	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
10/5/2020 6:00	1.5	
10/5/2020 7:00	3.5	
10/5/2020 8:00	32.7	
10/5/2020 9:00	9.8	
10/5/2020 10:00	21.4	
10/5/2020 11:00	30.9	
10/5/2020 12:00	62.1	
10/5/2020 13:00	107.6	
10/5/2020 14:00	89.1	
10/5/2020 15:00	94.5	
10/5/2020 16:00	79.5	
10/5/2020 17:00	132.2	
10/5/2020 18:00	186.9	
10/5/2020 19:00	2.6	
10/5/2020 20:00	1.6	
10/5/2020 21:00	1.1	
10/5/2020 22:00	2.8	
10/5/2020 23:00	20.3	
10/6/2020 0:00	86.8	
10/6/2020 1:00	57.1	
10/6/2020 2:00	Calib	
10/6/2020 3:00	Calib	
10/6/2020 4:00	8.8	
10/6/2020 5:00	5.7	
10/6/2020 6:00	5.8	
10/6/2020 7:00	4.9	
10/6/2020 8:00	22.2	
10/6/2020 9:00	125.2	
10/6/2020 10:00	NoData	
10/6/2020 11:00	NoData	
10/6/2020 12:00	NoData	
10/6/2020 13:00	105.8	
10/6/2020 14:00	53.7	
10/6/2020 15:00	56	
10/6/2020 16:00	75.9	
10/6/2020 17:00	155.2	
10/6/2020 18:00	65	
10/6/2020 19:00	50.1	
10/6/2020 20:00	51.2	
10/6/2020 21:00	108.4	
10/6/2020 22:00	221.9	
10/6/2020 23:00	212.8	
10/7/2020 0:00	205.5	
10/7/2020 1:00	226.7	
10/7/2020 2:00	244.4	
10/7/2020 3:00	224	

Date & Time	SO2 ppb	Max Hr/Day
10/7/2020 4:00	205.1	
10/7/2020 5:00	259.8	
10/7/2020 6:00	191	
10/7/2020 7:00	99.9	
10/7/2020 8:00	65.3	
10/7/2020 9:00	86.6	
10/7/2020 10:00	68.1	
10/7/2020 11:00	76.1	
10/7/2020 12:00	81.8	
10/7/2020 13:00	29.5	
10/7/2020 14:00	1.8	
10/7/2020 15:00	0.8	
10/7/2020 16:00	0.7	
10/7/2020 17:00	0.4	
10/7/2020 18:00	0.4	
10/7/2020 19:00	0.4	
10/7/2020 20:00	0.6	
10/7/2020 21:00	0.9	
10/7/2020 22:00	0.9	
10/7/2020 23:00	1.8	
10/8/2020 0:00	1.4	
10/8/2020 1:00	0.8	
10/8/2020 2:00	1.3	
10/8/2020 3:00	1.4	
10/8/2020 4:00	1	
10/8/2020 5:00	0.9	
10/8/2020 6:00	0.8	
10/8/2020 7:00	1.3	
10/8/2020 8:00	3.3	
10/8/2020 9:00	14.8	
10/8/2020 10:00	3.2	
10/8/2020 11:00	7.6	
10/8/2020 12:00	29.3	
10/8/2020 13:00	87	
10/8/2020 14:00	84.7	
10/8/2020 15:00	48.1	
10/8/2020 16:00	9.1	
10/8/2020 17:00	1.6	
10/8/2020 18:00	1.2	
10/8/2020 19:00	1.1	
10/8/2020 20:00	0.8	
10/8/2020 21:00	0.6	
10/8/2020 22:00	0.6	
10/8/2020 23:00	0.6	
10/9/2020 0:00	0.5	
10/9/2020 1:00	0.5	

Date & Time	SO2 ppb	Max Hr/Day
10/9/2020 2:00	Calib	
10/9/2020 3:00	Calib	
10/9/2020 4:00	0.7	
10/9/2020 5:00	0.7	
10/9/2020 6:00	0.6	
10/9/2020 7:00	2.8	
10/9/2020 8:00	2	
10/9/2020 9:00	18.1	
10/9/2020 10:00	45.3	
10/9/2020 11:00	100.6	
10/9/2020 12:00	120.3	
10/9/2020 13:00	121.4	
10/9/2020 14:00	96.5	
10/9/2020 15:00	106.3	
10/9/2020 16:00	77.1	
10/9/2020 17:00	100.7	
10/9/2020 18:00	37.9	
10/9/2020 19:00	32.3	
10/9/2020 20:00	57.2	
10/9/2020 21:00	49.2	
10/9/2020 22:00	51.5	
10/9/2020 23:00	53.5	
10/10/2020 0:00	87.1	
10/10/2020 1:00	86.2	
10/10/2020 2:00	97.8	
10/10/2020 3:00	125.7	
10/10/2020 4:00	119.8	
10/10/2020 5:00	116.5	
10/10/2020 6:00	137.5	
10/10/2020 7:00	136.7	
10/10/2020 8:00	162.2	
10/10/2020 9:00	165.7	
10/10/2020 10:00	139.4	
10/10/2020 11:00	107.8	
10/10/2020 12:00	106.8	
10/10/2020 13:00	101.8	
10/10/2020 14:00	56.7	
10/10/2020 15:00	52.4	
10/10/2020 16:00	48.9	
10/10/2020 17:00	18.8	
10/10/2020 18:00	1.6	
10/10/2020 19:00	0.8	
10/10/2020 20:00	0.6	
10/10/2020 21:00	0.4	
10/10/2020 22:00	0.3	
10/10/2020 23:00	0.3	

SO2[ppb] Station: BuffSpecStudy Periodically: 7/11/2020 12:00 AM-10/11/2020 11:59 PM Type: AVG 1 Hr. [1 Hr.]

Date & Time	SO2 ppb	Max Hr/Day
10/11/2020 0:00	0.4	
10/11/2020 1:00	0.4	
10/11/2020 2:00	0.4	
10/11/2020 3:00	0.3	
10/11/2020 4:00	0.2	
10/11/2020 5:00	0.2	
10/11/2020 6:00	0.3	
10/11/2020 7:00	0.2	
10/11/2020 8:00	0.2	
10/11/2020 9:00	0.2	
10/11/2020 10:00	0.2	
10/11/2020 11:00	0.2	
10/11/2020 12:00	0.2	
10/11/2020 13:00	0.2	
10/11/2020 14:00	0.2	
10/11/2020 15:00	0.2	
10/11/2020 16:00	0.2	
10/11/2020 17:00	0.2	
10/11/2020 18:00	0.2	
10/11/2020 19:00	0.2	
10/11/2020 20:00	0.2	
10/11/2020 21:00	0.2	
10/11/2020 22:00	0.2	
10/11/2020 23:00	0.2	

SUPREME COURT OF THE STATE OF NEW YORK
COUNTY OF ERIE

MEDAILLE COLLEGE,

Plaintiff,

vs.

PVS CHEMICALS, INC. and
PVS CHEMICAL SOLUTIONS, INC.,

Defendants.

**AFFIDAVIT IN
SUPPORT OF MOTION**

Index No. 806451/2021

Motion No. 1

STATE OF NEW YORK)
) ss.:
COUNTY OF ERIE)

John G. Schmidt Jr., Esq., being duly sworn, deposes and says:

1. I am a partner with Phillips Lytle LLP, counsel for Plaintiff, Medaille College (“Medaille”). I am familiar with the facts below based on my representation of Medaille, and respectfully submit this affirmation in support Medaille’s Motion for a Temporary Restraining Order (“TRO”) and Preliminary Injunction against Defendants PVS Chemicals, Inc. and PVS Chemical Solutions, Inc. (together, “PVS”) as described in Medaille’s Order to Show Cause, filed May 17, 2021.

2. Medaille seeks to immediately restrain and enjoin PVS as stated in the Order to Show Cause.

3. In support, Medaille produces data from two separate sources of air monitoring that recorded the excessive airborne levels of sulfur dioxide (“SO₂”) from PVS’s sulfuric acid plant (“PVS Plant”).

4. First, as discussed in the Affidavit of John Black, P.E., sworn to May 17, 2021 (“Black Aff.”) (¶¶ 7-9, 14), Medaille’s environmental consultant, Inventum Engineering (“Inventum”), conducted monitoring from January 2019 to April 2020.

5. As discussed below, from (i) July to October 2020, and then from (ii) March 2021 to very recently, the New York State Department of Environmental Conservation (“DEC”) conducted monitoring of SO₂ emissions from the PVS Plant.

6. Both sets of data show that PVS emits SO₂ in multiples of the NAAQS maximum limit set forth in its own Permit (defined below).

7. Beginning on June 4, 2019, Medaille sent a series of written cease and desist demands to PVS regarding its excessive emissions of SO₂ in the area of the Medaille Sports Complex at Buffalo Color Park (“Sports Complex”). **Exhibit A** contains chronological copies of this correspondence with PVS.

8. Soon after PVS received the first such communication, it stopped its excessive SO₂ emissions for a brief time. It was obvious this was simply an attempt to give Medaille a false sense of security, as PVS thereafter resumed its excessive SO₂ emissions. This also demonstrated that PVS has full control over its emissions.

9. Specifically, after a telephone conference with PVS’s counsel, on June 14, at approximately 9:30 am, [Inventum’s] data revealed a significant drop-off in SO₂ Emissions occurring from PVS. This drop-off seemingly continued until mid-July, when Emissions were again detected by [Inventum’s] real-time, continuous monitoring. This pattern demonstrates that the Emissions are within the operational controls of PVS and that PVS has willfully ignored [Medaille’s] requirements.

Ex. A (letter dated August 12, 2019).

10. PVS's emissions continued in a "regular and frequent pattern . . . during daytime hours, when the Property is used most." *Id.* (letter dated October 25, 2019).
11. After PVS refused to cooperate, Medaille provided PVS with a copy of Inventum's data, to objectively demonstrate to PVS that its emissions violate its Permit and are completely within its control. *Id.* (email dated October 30, 2019).
12. PVS responded by claiming that it "compared [Inventum's data] to data that [PVS] gathered using similar equipment at similar intervals. [PVS's] data indicates fewer incidents of detection and lower concentrations." *Id.* (email dated November 14, 2019).
13. PVS did not provide any further information or data, such as any alleged evidence of its measurements of its SO₂ emissions, what "similar equipment" it used, or at what "similar intervals." *Id.*
14. Further, despite suggesting "to review our data together, providing additional detail on exact times and dates" (*id.*) (information that Medaille previously provided to PVS on October 30, 2019), PVS never shared its "data."
15. Following Medaille's abovementioned efforts with PVS, and in light of the New York State Executive Orders shutting down most activities after the onset of the COVID-19 pandemic, Medaille referred this matter to DEC in or around Spring 2020.
16. On March 16, 2021, after DEC had monitored the PVS Plant since July 2020, DEC commenced an enforcement proceeding against PVS, seeking to enjoin PVS from emitting SO₂ in violation of its Permit and to order PVS to make necessary repairs to the PVS Plant ensure Permit compliance. Medaille's Verified Complaint, filed May 17, 2021, Ex. A (DEC's Notice of Hearing and Complaint). The DEC Complaint against PVS

states that PVS “exceeded the SO₂ NAAQS on 70 days during the monitoring period of July 10, 2020 through October 18, 2020.” *Id.* ¶ 78; *see also* Black Aff. ¶ 19 (discussing this data segment from DEC).

17. Over the weekend preceding this affidavit and the commencement of this action, a series of events caused Medaille to prepare and file this Motion.

18. *First*, on the afternoon of May 14, 2021, the Erie County Department of Health (“County DOH”) contacted Medaille’s President, Kenneth M. Macur, Ph.D. On behalf of DEC and the New York State Department of Health (“State DOH”), County DOH orally requested that Medaille immediately, and indefinitely, cease all activities at the Sports Complex pending resolution of the excessive SO₂ emissions and related health concerns. Affidavit of Kenneth M. Macur, Ph.D., sworn to May 17, 2012, ¶ 18.

19. *Second*, that evening, DEC sent PVS a letter and demanded that it immediately cease and desist ongoing operations at its facility located at 55 Elk Street, in the City of Buffalo unless and until the facility is able to undertake operational modifications and/or production level reductions to operate in a manner that does not violate the Acute Exposure Guideline Levels (“AEGLs”) for sulfur dioxide (“SO₂”) and does not otherwise cause or contribute to air pollution related to SO₂ emissions that may cause a risk to human health.

Exhibit B is a copy of DEC’s letter.

20. Per DEC’s letter, after its previous monitoring period (July to October 2020), “DEC redeployed the ambient air monitoring station on March 31, 2021 adjacent to the PVS Chemical Solutions, Inc.” *Id.*

21. Based on DEC’s data, and as confirmed by State DOH, “the results exceeded the SO₂ AEGLs set by the National Academy of Sciences, including instances

when the AEGL-2 level was exceeded indicating the potential for more severe respiratory effects.” *Id.*

22. In other words, DEC’s additional, 2021 data shows that PVS’s excessive emissions had reached consequences of new heights.

23. DEC’s letter to PVS also confirms Medaille’s conclusion that PVS’s emissions violate “the 1-hour NAAQS and the Environmental Protection Agency’s thresholds of concern for triggering Air Quality Index warnings of unhealthy air.” *Id.*

24. *Third*, that same evening, Medaille obtained a copy of DEC’s 2021 data. This data, as received from DEC, is attached as **Exhibit C**.

25. DEC’s data show numerous readings of excessively high SO₂ levels in March and April 2021, including one reading greater than 800 parts per billion. Ex. C at 1.

26. *Fourth*, on May 15, 2021, Medaille received a letter from State DOH, of the same date, referring to the SO₂ emissions from the PVS Plant and stating that “all activities . . .” at the Sports Complex “must be suspended until such time as all hazards can be mitigated.” **Exhibit D** is a copy of this letter.

27. Concerning the SO₂ emissions from the PVS Plant, the letter states that PVS’s emissions “frequently exceed the National Ambient Air Quality Standard primary standard set by the U.S. Environmental Protection Agency (USEPA), Acute Exposure Guideline Levels (AEGLs), and exceed the thresholds used by USEPA’s Air Quality Index that indicate unhealthy air quality.” Ex. D.

28. This statement makes State DOH the second government agency, in addition to DEC, to conclude that PVS is violating its Permit.

29. *Last*, on May 15, 2021, PVS publicly stated that it will not bring itself into compliance.

30. That day, the Buffalo News quoted PVS’s “complete disagreement” with DEC’s letter of May 14, 2021. Complaint, Ex. C.

31. PVS stated it would merely “tone down operations . . . ” (*id.*), or, in other words, it will not stop its SO₂ pollution despite its previously admitted ability to do so.

32. Also that same day, in a letter to the presiding Administrative Law Judge, Hon. Molly T. McBride, in DEC’s pending enforcement proceeding against PVS, PVS’s counsel stated that “PVS of course disputes the validity of [DEC’s] claims in its ‘Temporary Cease and Desist’ letter because its claims are, quite frankly, just dead wrong.” **Exhibit E** is a copy of this letter.

33. Notwithstanding PVS’s previous representation to Medaille that it has its own data showing “fewer incidents of detection and lower concentrations” (*supra*, ¶ 12), in the letter to Judge McBride, PVS’s counsel did not cite to *any such data* belonging to PVS. Ex. E, *passim*.

34. This is because no such data exists—all known data regarding PVS’s pollution, as produced by Inventum and DEC, show that PVS’s emissions are excessive.

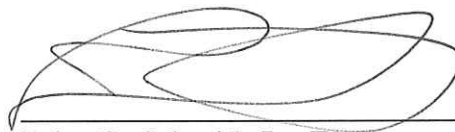
35. Instead, PVS merely cited to unspecified “modeling assumptions” (*id.* at 2) and otherwise attempted to argue that, *e.g.*, “the NAAQS are not emissions standards” (*id.*), to obfuscate and direct attention away from itself and its violations.

36. Accordingly, PVS’s arguments, explicitly or implicitly, admit that it is the source of the SO₂ emissions, and since they have been polluting for so long, they should be allowed to continue to do so.

37. It is untenable that Medaille has responsibly shut down activities at the Sports Complex after receiving the DOH letter, while PVS hotly contests the efforts of DEC and likely intends to continue to pollute while the enforcement action against it proceeds.

38. Accordingly, absent a TRO, Preliminary Injunction, and ultimately Judgment, PVS (the perpetrator) will continue to cause further harm to Medaille (the victim), which has reached an irreparable level and is only worsening.

WHEREFORE, Medaille respectfully requests that this Court grant its Motion in its entirety, along with such other and further relief as is proper and just.



John G. Schmidt Jr., Esq.

Sworn to before me this
17th day of May, 2021.


Notary Public

RHONDA A. MILLER
Notary Public, State of New York
Qualified in Erie County
My Commission Expires Oct. 2, 2021

CERTIFICATE OF COMPLIANCE WITH COMMERCIAL DIVISION RULE 17

This document complies with 22 N.Y.C.R.R. § 202.70(g), Rule 17 because it contains 1,613 words, excluding the caption and signature block. This word-count was generated by the word-processing system used to prepare the document.

DATED: Buffalo, New York
May 17, 2021



Tristan D. Hujer

EXHIBIT

A



Phillips Lytle LLP

Via Hand Delivery

June 4, 2019

PVS Chemicals, Inc.
PVS Chemical Solutions, Inc.
55 Lee Street
Buffalo, NY 14210

Re: Cease and Desist From Further Improper Conduct

Dear Sir or Madam:

We are legal counsel for South Buffalo Development, LLC ("SBD") and 421 Elk Street LLC ("421"). This letter is being sent because of recently discovered misconduct by PVS Chemicals, Inc. and PVS Chemical Solutions, Inc. (collectively, "PVS").

As PVS is aware, SBD owns real property ("Property") located directly north of PVS' facility at 55 Lee Street, Buffalo, NY ("Facility"). As PVS is further aware, in partnership with 421, SBD is developing the Property into a sports recreation area ("Athletic Complex"), portions of which are in continuous use by college, high school and area league athletic teams.

SBD and 421 have discovered that the Facility is emitting sulfur dioxide ("SO₂") at sufficiently high concentrations that it is affecting the Property. SBD and 421 have been monitoring on a continuous basis and have real-time weather and sampling results that quantify the SO₂ concentrations released by PVS and the meteorological conditions at the time of the incidents. Based on the pattern of the factual data, it is clear that these SO₂ emissions ("Emissions") have been occurring with PVS' knowledge. This activity is causing harm to and interfering with the ability for SBD and 421 and its athletes, visitors, and the public to use the property, and the millions of dollars of improvements that have been put in place to create the Athletic Complex.

ATTORNEYS AT LAW

JOHN G. SCHMIDT JR., PARTNER DIRECT 716 847 7095 JSCHMIDT@PHILLIPSLYTLE.COM

ONE CANALSIDE 125 MAIN STREET BUFFALO, NY 14203-2887 PHONE 716 847 8400 FAX 716 852 6100

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PVS Chemicals, Inc. and
PVS Chemical Solutions, Inc.
Page 2

June 4, 2019

For PVS to knowingly emit SO₂, a chemical that is created in its manufacturing process of Sulfuric Acid, and allowing this chemical to come onto SBD's and 421's property, is reckless, reprehensible, and raises serious legal issues. SBD and 421 will not tolerate this. And make no mistake that SBD's and 421's position is shared by many others, including the neighborhood, recreational users of the Buffalo River, the City and the Greater Western New York Region. Indeed, neighbors have complained for at least the last decade about illegal SO₂ emissions from PVS. However, when regulatory enforcement showed up; emissions were conveniently absent, demonstrating the ability of PVS to control releases. SBD and 421 have real-time, continuous monitoring of these events. Releases at significant concentrations are happening with increasing frequency and clearly in a pattern that would suggest the plant is operated in a careless fashion and without regard to the environment, neighbors, or general public.

Accordingly, SBD and 421 hereby demand that PVS, its subsidiaries, affiliates, and related entities, and their employees, agents, servants, and all others acting with or under PVS' control, immediately:

- 1. Cease and desist from further Emissions onto the Property;**
- 2. Preserve all documents, whether in hard or electronic copy, concerning the Emissions and activities related thereto; and**
- 3. Identify all individuals and entities with knowledge of the Emissions and operations that produce potential Emissions.**

SBD and 421 have authorized us to seek a meeting with PVS regarding how it intends to comply with these demands. This meeting must occur no later than **Monday, June 10, 2019**. Please contact the undersigned for scheduling.

Should PVS fail to comply with these demands, we are also authorized to vigorously pursue all available legal remedies, including a restraining order, injunctive relief, and monetary and punitive damages. In this regard, SBD and 421 reserve all rights and claims, without waiver or prejudice.



PVS Chemicals, Inc. and
PVS Chemical Solutions, Inc.
Page 3

June 4, 2019

If this letter is in any way unclear, or if PVS has any questions or confusion, please contact the undersigned or, if it has legal counsel, have its attorney do so. PVS should govern itself accordingly.

Very truly yours,

Phillips Lytle LLP

By 

John G. Schmidt Jr.

JGStdh

Doc #01-3677078



Phillips Lytle LLP

Via Hand Delivery

David Roach, Esq.
535 Washington Street
Suite 1000
Buffalo, New York 14203

August 12, 2019

Dear David:

This letter follows the Cease and Desist letter hand-delivered to your client, PVS Chemicals, Inc., on June 4, 2019, and our telephone conference on June 14, 2019. In our June 4 letter, we required "that PVS, its subsidiaries, affiliates, and related entities, and their employees, agents, servants, and all others acting with or under PVS' control, immediately:

1. Cease and desist from further Emissions onto the Property;
2. Preserve all documents, whether in hard or electronic copy, concerning the Emissions and activities related thereto; and
3. Identify all individuals and entities with knowledge of the Emissions and operations that produce potential Emissions."

After the telephone conference on June 14, at approximately 9:30 am, our data revealed a significant drop-off in SO₂ Emissions occurring from PVS. This drop-off seemingly continued until mid-July, when Emissions were again detected by our real-time, continuous monitoring. This pattern demonstrates that the Emissions are within the operational controls of PVS and that PVS has willfully ignored our requirements.

South Buffalo Development, LLC ("SBD") and 421 Elk Street LLC ("421") request a follow-up meeting **no later than Friday, August 16, 2019** to discuss how PVS will continue to eliminate SO₂ Emissions and comply with the emission limits set forth in its air permit.

Should PVS allow Emissions to continue, we have been authorized to vigorously pursue all available legal remedies, including a restraining order, injunctive relief, and

ATTORNEYS AT LAW

JOHN G. SCHMIDT JR., PARTNER DIRECT 716 847 7095 JSCHMIDT@PHILLIPSLYTLE.COM

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David Roach, Esq.
Page 2

August 12, 2019

monetary and punitive damages. SBD and 421 reserve all rights and claims, without waiver or prejudice.

Very truly yours,

Phillips Lytle LLP

By

John G. Schmidt, Jr.

JGS2ear2

Doc #4297854.1



Phillips Lytle LLP

Hand Delivery

David Roach, Esq.
Roach Lennon & Brown PLLC
535 Washington St., Suite 1000
Buffalo, NY 14203

October 25, 2019

Re: PVS Chemicals, Inc.

Dear David:

This is in furtherance of the June 4 and August 12, 2019 written demands from John G. Schmidt, Jr. that PVS Chemicals, Inc. ("PVS") cease and desist from emitting sulfur dioxide ("Emissions") onto South Buffalo Development, LLC and Medaille College's real property ("Property"). Enclosed please find graphical charts depicting continuous, minute-by-minute monitoring of PVS' Emissions from April 30 to October 2, 2019.

The data indisputably reveal that PVS' Emissions significantly exceed even 0.5 ppm, and have reached nearly 8.0 ppm. There is a regular and frequent pattern to these Emissions – alarmingly during daytime hours, when the Property is used most. For instance, there were 1,713 Emissions above 0.5 ppm during the week of July 15, 2019 alone. The Emissions have continued since October 2, 2019. We can provide that data under separate cover.

The data demonstrate that PVS is in violation of its Department of Environmental Conservation Permit, including but not limited to the One-Hour Sulfur Dioxide National Ambient Air Quality Standard of 75 ppb and 6 N.Y.C.R.R. 211.1.¹

¹ 6 N.Y.C.R.R. 211.1 provides:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or

ATTORNEYS AT LAW

TRISTAN D. HUIER, SPECIAL COUNSEL DIRECT 716 504 5728 THUIER@PHILLIPSLYTLE.COM



David Roach, Esq.
Page 2

October 25, 2019

Moreover, the Emissions are a continuing trespass and nuisance that irreparably harm our clients by interfering with the use and enjoyment of their Property.

The data also reveal that the Emissions are within PVS' control. Indeed, it was only after the above-mentioned cease and desist demands that the Emissions temporarily fell below the 0.5 ppm minimum detectable level. Nevertheless, aside from these two instances, PVS willfully fails to keep its Emissions off the Property and within the limits of applicable law and regulation.

Given the time during which this has persisted and the within data disclosure, our clients expect no further Emissions onto their Property. They also require a concrete plan from PVS for preventing such Emissions in the future. Please contact me to confirm that PVS will comply.

Our clients are weighing their legal rights, including seeking injunctive relief, and therefore reserve all rights, without waiver or prejudice.

Thank you for your attention to this matter.

Very truly yours,

Phillips Lytle LLP

By 

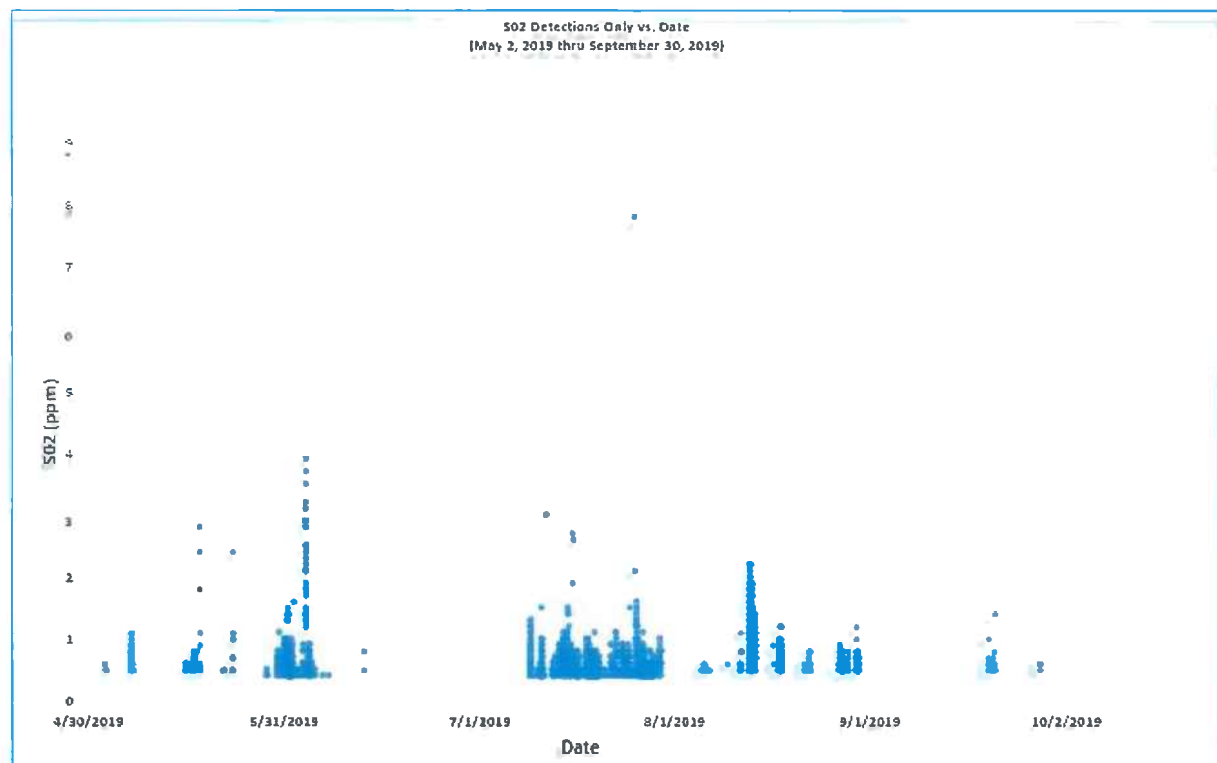
Tristan D. Hujer

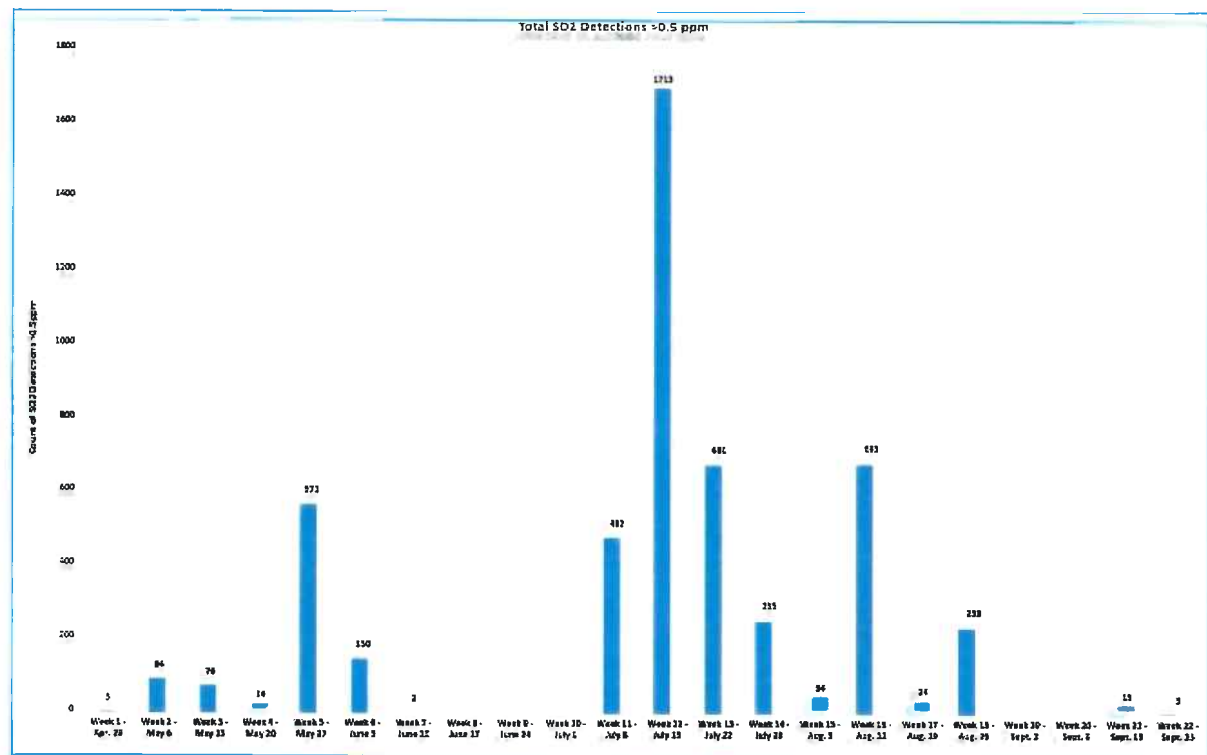
TDH/m-s2

Encl.

Doc #4510478.1

property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.





Marian Sarzyniak

From: Tristan D. Hujer <THujer@phillipslytle.com>
Sent: Friday, November 8, 2019 3:58 PM
To: 'J. Michael Lennon'
Cc: John G. Schmidt Jr.; David Roach
Subject: RE: PVS Chemicals, Inc.

Mike,

Our clients continue to detect Emissions. Please be advised that they will pursue their available remedies if this is not resolved promptly. We hope to hear from you as soon as possible.

Tristan Hujer

From: J. Michael Lennon <jmlennon@rlbattorneys.com>
Sent: Wednesday, October 30, 2019 11:55 AM
To: Tristan D. Hujer <THujer@phillipslytle.com>
Cc: John G. Schmidt Jr. <JSchmidt@phillipslytle.com>; David Roach <dlroach@rlbattorneys.com>
Subject: Re: PVS Chemicals, Inc.

Tristan,

Thank you for responding so quickly and providing the updated data.

We will share this data with our client ASAP and get back to you within a week.

Best,
Mike

J. Michael Lennon, Esq.
Partner

Roach, Lennon & Brown, PLLC
535 Washington Street, Suite 1000
Buffalo, New York 14203
P: (716) 235-3025 ext. 102
F: (716) 235-3026
rlbattorneys.com

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From: "Tristan D. Hujer" <THujer@phillipslytle.com>
Date: Wednesday, October 30, 2019 at 11:41 AM
To: "J. Michael Lennon" <jmlennon@rlbattorneys.com>

Cc: "John G. Schmidt Jr." <JSchmidt@phillipslytle.com>, David Roach <dlroach@rlbattorneys.com>

Subject: RE: PVS Chemicals, Inc.

Mike,

Attached please find the updated data. We really do need to hear from your client. Thank you.

--Tristan

From: J. Michael Lennon <jmlennon@rlbattorneys.com>

Sent: Tuesday, October 29, 2019 10:13 AM

To: Tristan D. Hujer <THujer@phillipslytle.com>

Cc: David Roach <dlroach@rlbattorneys.com>

Subject: PVS Chemicals, Inc.

Tristan,

We are in receipt of your letter of October 25, 2019, regarding certain alleged SO2 emissions onto property owned by South Buffalo Development, LLC and/or Medaille College. Thank you for providing the data relative to the alleged emissions between April 30-October 2, 2019.

In your letter, you state that "[t]he Emissions have continued since October 2, 2019", and then offer to provide supporting data regarding those alleged emissions under separate cover.

We request that you please provide that data at your earliest convenience.

Upon receipt and review of the data, we will be happy to engage in further discussions regarding these issues. Absent the complete emissions data, it is difficult, if not impossible for PVS to address your client's allegations.

Finally, please be advised that PVS also reserves all rights and claims, without waiver or prejudice.

Best regards,
Mike

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Partner

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Tristan D. Hujer
Special Counsel



One Canalside
125 Main Street
Buffalo, NY 14203-2887
Phone 716 504 5728
Fax 716 852 6100
THujer@phillipslytle.com
www.phillipslytle.com
[Download vCard](#)



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Marian Sarzyniak

[REDACTED]

[REDACTED]

[REDACTED]

From: J. Michael Lennon <jmlennon@rlbattorneys.com>

Sent: Thursday, November 14, 2019 12:53 PM

To: Tristan D. Hujer <THujer@phillipslytle.com>

Cc: John G. Schmidt Jr. <JSchmidt@phillipslytle.com>; David Roach <dloach@rlbattorneys.com>

Subject: Re: PVS Chemicals, Inc.

Tristan,

We have received your data with our client and compared it to data that we have gathered using similar equipment at similar intervals. Our data indicates fewer incidents of detection and lower concentrations. It may be mutually beneficial for us to review our data together, providing additional detail on exact times and dates.

PVS is in compliance with the permit affecting SO2 emissions. The plant is not operated in any way to allow intentional emissions. Your client was familiar with the PVS facilities and its operation for a number of years before it chose to locate a sports facility in close proximity to the PVS plant. We believe the sports facility is a highly incompatible use of this site. In any event, your client raised no complaints of any kind regarding the operation of the PVS facility, prior to its completion of this incompatible use.

PVS is interested in addressing reasonable concerns, but it cannot change the permitted use of its site which precedes the sports facility by more than one hundred years.

We will make ourselves available for a meeting to discuss and compare emissions data at a mutually agreeable date/time. Please let us know your availability for such a meeting.

Best,
Mike

J. Michael Lennon, Esq.
Partner

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Subject: PVS Chemicals, Inc.

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Tristan D. Hujer
Special Counsel



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**Phillips Lytle LLP**Via Email Only

Michael J. Lennon, II, Esq.
Roach Lennon & Brown PLLC
535 Washington St., Suite 1000
Buffalo, NY 14203

December 12, 2019

Re: PVS Chemicals, Inc.

Dear Mike:

We have your email of November 14, 2019.

Initially, Medaille College and South Buffalo Development, LLC's use of their real property was approved by the City of Buffalo. We trust PVS is aware of this.

Additionally, we do not believe a meeting is necessary. PVS' "data" is unreliable and self-serving. In contrast, our clients' continuous monitoring data objectively demonstrate that PVS is not in compliance with its emissions permit, or New York's nuisance and trespass standards. Please advise whether PVS will immediately cease and desist its improper conduct.

Thank you.

Very truly yours,

Phillips Lytle LLP

By 

Tristan D. Hujer

TDH/m-s2

cc: David L. Roach, Esq.

ATTORNEYS AT LAW

TRISTAN D. HUJER, SPECIAL COUNSEL DIRECT 716 504 5728 THUJER@PHILLIPSLYTLE.COM

ONE CANALSIDE 125 MAIN STREET BUFFALO, NY 14203-2887 PHONE 716 847 8400 FAX 716 852 6100
NEW YORK: ALBANY, BUFFALO, CHAUTAUQUA, GARDEN CITY, NEW YORK, ROCHESTER | OHIO: CLEVELAND | WASHINGTON, DC
CANADA: WATERLOO REGION | PHILLIPSLYTLE.COM

EXHIBIT

B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of the General Counsel

625 Broadway, 14th Floor, Albany, New York 12233-1500

P: (518) 402-9185 | F: (518) 402-9018

www.dec.ny.gov

May 14, 2021

VIA ELECTRONIC MAIL

Robert Davis
Plant Manager
PVS Chemical Solutions, Inc.
55 Elk Street
Buffalo, New York 14210

Dear Robert Davis:

**TEMPORARY CEASE AND DESIST
PVS Chemical Solutions, Inc.
Air Title V Facility Permit
9-1402-00435/00037**

The New York State Department of Environmental Conservation ("DEC") hereby demands PVS Chemical Solutions, Inc. immediately cease and desist ongoing operations at its facility located at 55 Elk Street, in the City of Buffalo unless and until the facility is able to undertake operational modifications and/or production level reductions to operate in a manner that does not violate the Acute Exposure Guideline Levels ("AEGLs") for sulfur dioxide ("SO₂") and does not otherwise cause or contribute to air pollution related to SO₂ emissions that may cause a risk to human health.

As you are aware, DEC redeployed the ambient air monitoring station on March 31, 2021 adjacent to the PVS Chemical Solutions, Inc. facility which has detected numerous exceedances of the SO₂ National Ambient Air Quality Standard ("NAAQS") primary standard. In addition, the New York State Department of Health ("DOH") has reviewed the 2020 and 2021 ambient air monitoring data and detected numerous instances where the results exceeded the SO₂ AEGLs set by the National Academy of Sciences, including instances when the AEGL-2 level was exceeded indicating the potential for more severe respiratory effects.

DOH's review of the SO₂ monitoring data found exceedances of additional health-based air standards, including the 1-hour NAAQS and the Environmental Protection Agency's thresholds of concern for triggering Air Quality Index warnings of unhealthy air. The number and duration of these unhealthy air episodes is of particular risk to exercising individuals and to other vulnerable groups including asthmatics. This indicates that symptoms of irritation, reduced lung function and respiratory distress can be expected for these and other individuals not in the vulnerable groups at the detected concentrations. This finding is consistent with the reported complaints received by DEC from those using the nearby athletic field.



Department of
Environmental
Conservation

Accordingly, due to the potential public health impacts associated with the SO₂ emissions, DOH has directed the cessation of activities at the Elk Street Athletic Facility, Buffalo Medaille Sports Complex until the potential public health risks caused by PVS Chemical Solutions, Inc. are fully addressed or abated.

Should PVS Chemical Solutions, Inc. fail to comply with this cease and desist demand, by immediately ceasing operations until it provides and implements a compliance plan that demonstrates, to DEC's satisfaction, PVS Chemical Solutions, Inc.'s ability to operate without exceeding the SO₂ AEGLs or otherwise causing or contributing to air pollution related to SO₂ emissions that may cause a risk to human health, the State of New York will pursue all other available enforcement options. Such options include, but are not limited to, a preliminary injunction brought by the New York State Attorney General's office or a summary abatement order filed pursuant to Environmental Conservation Law Section 71-0301 or an order for summary action pursuant to Public Health Law Section 16 for the immediate closure of the facility.

Please have your counsel contact the undersigned should you have any questions or wish to discuss this demand further.

Very truly yours,



Thomas Berkman
Deputy Commissioner and
General Counsel

ec: David Roach, Esq.
J. Michael Lennon, Esq.
Basil Seggos, DEC Commissioner
Sean Mahar, Chief of Staff
J. Jared Snyder, Deputy Commissioner for Climate, Air and Energy
Dr. Howard Zucker, DOH Commissioner
Lisa Pino, DOH Executive Deputy Commissioner
Kathy Marks, DOH General Counsel
Michael G. Bass, Esq., DOH Deputy Counsel
Lemuel Srolovic, Esq., NYS Attorney General's Office, Environmental Protection Bureau
Lisa Burianek, Esq., NYS Attorney General's Office, Deputy Bureau Chief, Environmental Protection Bureau
Eric Schaaf, Esq., Environmental Protection Agency
Terri Mucha, Esq., DEC Associate Attorney

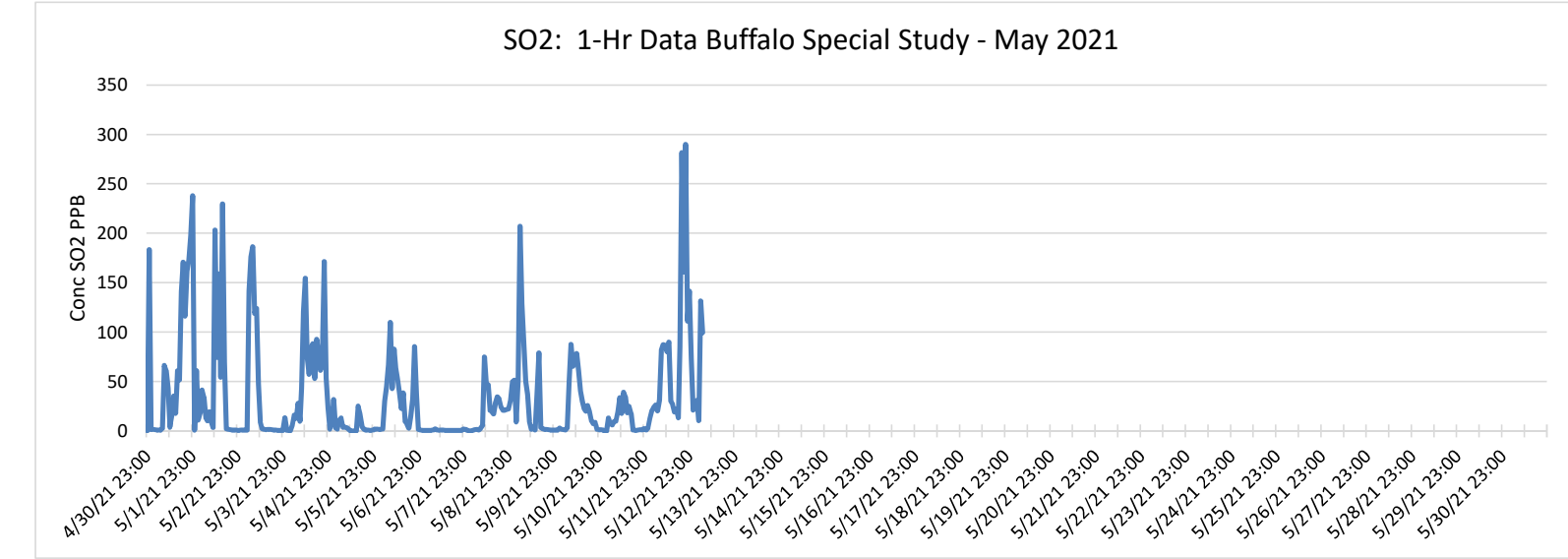
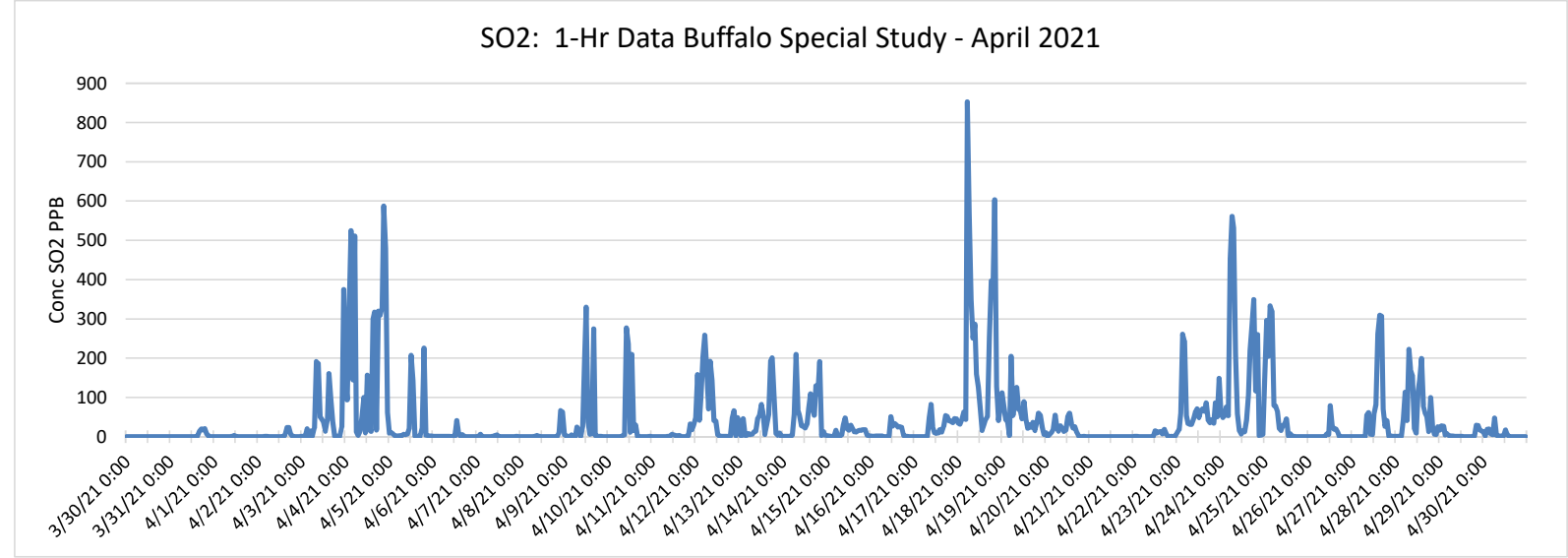
EXHIBIT C

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
3/30/21	3/30/21 0:00	NoData	22	6.9	150
3/30/21	3/30/21 1:00	NoData	22	9.2	150
3/30/21	3/30/21 2:00	NoData	22	6.9	150
3/30/21	3/30/21 3:00	NoData	22	5.8	170
3/30/21	3/30/21 4:00	NoData	22	10.4	200
3/30/21	3/30/21 5:00	NoData	22	8.1	200
3/30/21	3/30/21 6:00	NoData	22	8.1	200
3/30/21	3/30/21 7:00	NoData	22	8.1	200
3/30/21	3/30/21 8:00	NoData	22	6.9	170
3/30/21	3/30/21 9:00	NoData	23	6.9	160
3/30/21	3/30/21 10:00	NoData	24	11.5	200
3/30/21	3/30/21 11:00	NoData NoData		21.9	210
3/30/21	3/30/21 12:00	<Samp		19.6	220
3/30/21	3/30/21 13:00	<Samp	25	24.2	210
3/30/21	3/30/21 14:00	OffScan	27	21.9	210
3/30/21	3/30/21 15:00	OffScan	26	23	210
3/30/21	3/30/21 16:00	OffScan	25	21.9	220
3/30/21	3/30/21 17:00	OffScan	24	21.9	190
3/30/21	3/30/21 18:00	OffScan	24	26.5	210
3/30/21	3/30/21 19:00	OffScan	24	19.6	200
3/30/21	3/30/21 20:00	OffScan	25	13.8	200
3/30/21	3/30/21 21:00	OffScan	25	15	180
3/30/21	3/30/21 22:00	OffScan	26	15	160
3/30/21	3/30/21 23:00	OffScan	26	15	180
3/31/21	3/31/21 0:00	OffScan	26	17.3	190
3/31/21	3/31/21 1:00	OffScan	26	18.4	190
3/31/21	3/31/21 2:00	OffScan	26	18.4	200
3/31/21	3/31/21 3:00	OffScan	26	20.7	200
3/31/21	3/31/21 4:00	OffScan	26	21.9	210
3/31/21	3/31/21 5:00	OffScan	24	17.3	210
3/31/21	3/31/21 6:00	OffScan	23	12.7	240
3/31/21	3/31/21 7:00	OffScan	23	9.2	230
3/31/21	3/31/21 8:00	OffScan	22	10.4	240
3/31/21	3/31/21 9:00	OffScan	21	10.4	230
3/31/21	3/31/21 10:00	OffScan	21	11.5	230
3/31/21	3/31/21 11:00	OffScan	22	12.7	330
3/31/21	3/31/21 12:00	OffScan	21	4.6	290
3/31/21	3/31/21 13:00	OffScan	21	8.1	280
3/31/21	3/31/21 14:00	<Samp	21	8.1	230
3/31/21	3/31/21 15:00	2	23	10.4	220
3/31/21	3/31/21 16:00	14.2	24	11.5	240
3/31/21	3/31/21 17:00	19.7	24	15	230
3/31/21	3/31/21 18:00	17	21	10.4	230
3/31/21	3/31/21 19:00	20.9	19	11.5	230
3/31/21	3/31/21 20:00	7	18	8.1	220
3/31/21	3/31/21 21:00	1	18	4.6	220
3/31/21	3/31/21 22:00	0.7	17	11.5	360
3/31/21	3/31/21 23:00	0.6	17	9.2	30
4/1/21	4/1/21 0:00	0.5	16	9.2	20
4/1/21	4/1/21 1:00	0.4	16	9.2	30
4/1/21	4/1/21 2:00	0.3	15	5.8	360
4/1/21	4/1/21 3:00	0.2	14	12.7	330
4/1/21	4/1/21 4:00	0.5	13	15	350
4/1/21	4/1/21 5:00	0.7	12	15	330
4/1/21	4/1/21 6:00	0.5	12	16.1	320
4/1/21	4/1/21 7:00	0.2	12	10.4	330
4/1/21	4/1/21 8:00	0.3	13	12.7	310
4/1/21	4/1/21 9:00	0.4	15	10.4	300
4/1/21	4/1/21 10:00	1.2	18	11.5	310
4/1/21	4/1/21 11:00	2.6	19	10.4	300
4/1/21	4/1/21 12:00	1.4	19	12.7	300
4/1/21	4/1/21 13:00	0.4	17	13.8	270
4/1/21	4/1/21 14:00	0.4	16	17.3	310

	SO2	SO2
	Max Hour	Max hour PPB /
	PPB / Day	Day Shelter temp
Date		in range
3/31/2021	20.9	19.7
4/1/2021	2.6	0
4/2/2021	24	24
4/3/2021	374.7	160.9
4/4/2021	587.7	327.5
4/5/2021	225.9	225.9
4/6/2021	41.5	41.5
4/7/2021	6.2	6.2
4/8/2021	65.9	65.9
4/9/2021	330.3	330.3
4/10/2021	276.9	276.9
4/11/2021	32.8	32.8
4/12/2021	258.6	192.1
4/13/2021	200.6	200.6
4/14/2021	209.9	191.7
4/15/2021	47.8	47.8
4/16/2021	50.8	50.8
4/17/2021	82.2	82.2
4/18/2021	852.7	603.8
4/19/2021	204.7	125.8
4/20/2021	59.8	59.8
4/21/2021	0.8	0.8
4/22/2021	18.6	0
4/23/2021	261.2	86.4
4/24/2021	561.3	530.9
4/25/2021	333.1	7.4
4/26/2021	79.3	79.3
4/27/2021	309	309
4/28/2021	222.4	222.4
4/29/2021	29	27.4
4/30/2021	47.6	17.1
5/1/2021	238	140.8
5/2/2021	229.7	229.7
5/3/2021	186.3	186.3
5/4/2021	171.4	171.4
5/5/2021	31.9	31.9
5/6/2021	110	110
5/7/2021	2	0.5
5/8/2021	75	75
5/9/2021	207.2	88.8
5/10/2021	87.7	87.7
5/11/2021	39.1	39.1
5/12/2021	290	290
5/13/2021	131.5	0
5/14/2021	0	0
5/15/2021	0	0
5/16/2021	0	0
5/17/2021	0	0
5/18/2021	0	0
5/19/2021	0	0
5/20/2021	0	0
5/21/2021	0	0
5/22/2021	0	0
5/23/2021	0	0
5/24/2021	0	0
5/25/2021	0	0
5/26/2021	0	0
5/27/2021	0	0
5/28/2021	0	0
5/29/2021	0	0
5/30/2021	0	0
6/1/2021	0	0

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t
Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11
An Airport WD of 0 indicates calm
Data have not been Validated



3/30/2021 0:00
3/30/2021 1:00

Date & Time		SO2	I-temp	Airport WS	Airport WD	SO2		SO2		I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21	
EST		ppb	C°	MPH	Deg	Date	Max Hour PPB / Day	Max hour PPB / Day Shelter temp in range		Airport WD is in EDT and is not representative of t/Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11	
4/1/21	4/1/21 15:00	0.3	16	16.1	320	6/2/2021		0	0		
4/1/21	4/1/21 16:00	0.3	16	17.3	320	6/3/2021		0	0		
4/1/21	4/1/21 17:00	0.2	15	16.1	320	6/4/2021		0	0		
4/1/21	4/1/21 18:00	0.2	13	19.6	320	6/5/2021		0	0		
4/1/21	4/1/21 19:00	0.1	12	17.3	320	6/6/2021		0	0		
4/1/21	4/1/21 20:00	0.2	11	12.7	320	6/7/2021		0	0		
4/1/21	4/1/21 21:00	0.2	11	11.5	310	6/8/2021		0	0		
4/1/21	4/1/21 22:00	0.2	10	12.7	350	6/9/2021		0	0		
4/1/21	4/1/21 23:00	0.2	10	11.5	350	6/10/2021		0	0		
4/2/21	4/2/21 0:00	0.2	9	15	350	6/11/2021		0	0		
4/2/21	4/2/21 1:00	0.2	9	11.5	350	6/12/2021		0	0		
4/2/21	4/2/21 2:00	0.2	9	12.7	350	6/13/2021		0	0		
4/2/21	4/2/21 3:00	0.4	9	10.4	330	6/14/2021		0	0		
4/2/21	4/2/21 4:00	0.9	8	9.2	340	6/15/2021		0	0		
4/2/21	4/2/21 5:00	1	8	10.4	340	6/16/2021		0	0		
4/2/21	4/2/21 6:00	0.7	8	9.2	330	6/17/2021		0	0		
4/2/21	4/2/21 7:00	0.3	10	6.9	320	6/18/2021		0	0		
4/2/21	4/2/21 8:00	0.2	11	8.1	340	6/19/2021		0	0		
4/2/21	4/2/21 9:00	0.4	13	11.6	340	6/20/2021		0	0		
4/2/21	4/2/21 10:00	0.2	16	15	330	6/21/2021		0	0		
4/2/21	4/2/21 11:00	0.2	19	16.1	350	6/22/2021		0	0		
4/2/21	4/2/21 12:00	0.2	21	9.2	330	6/23/2021		0	0		
4/2/21	4/2/21 13:00	0.3	22	12.7	320	6/24/2021		0	0		
4/2/21	4/2/21 14:00	0.2	24	21.9	310	6/25/2021		0	0		
4/2/21	4/2/21 15:00	5.2	25	16.1	330	6/26/2021		0	0		
4/2/21	4/2/21 16:00	23.5	24	13.8	310						
4/2/21	4/2/21 17:00	24	23	13.8	280						
4/2/21	4/2/21 18:00	6.3	20	16.1	290						
4/2/21	4/2/21 19:00	0.4	17	11.5	290						
4/2/21	4/2/21 20:00	0.3	15	9.2	310						
4/2/21	4/2/21 21:00	0.4	13	6.9	330						
4/2/21	4/2/21 22:00	0.5	12	5.8	330						
4/2/21	4/2/21 23:00	0.6	12	4.6	290						
4/3/21	4/3/21 0:00	1	11	3.5	290						
4/3/21	4/3/21 1:00	0.9	11	3.5	300						
4/3/21	4/3/21 2:00	1.5	10	3.5	200						
4/3/21	4/3/21 3:00	20.5	9	3.5	230						
4/3/21	4/3/21 4:00	1.5	9	4.6	190						
4/3/21	4/3/21 5:00	15	8	5.8	210						
4/3/21	4/3/21 6:00	2	9	6.9	180						
4/3/21	4/3/21 7:00	21.9	11	3.5	200						
4/3/21	4/3/21 8:00	191.1	14	6.9	160						
4/3/21	4/3/21 9:00	186.3	18	8.1	200						
4/3/21	4/3/21 10:00	50.8	20	12.7	220						
4/3/21	4/3/21 11:00	45.6	22	15	230						
4/3/21	4/3/21 12:00	36.5	23	17.3	230						
4/3/21	4/3/21 13:00	14.1	24	13.8	230						
4/3/21	4/3/21 14:00	40.3	24	15	230						
4/3/21	4/3/21 15:00	160.9	24	11.5	230						
4/3/21	4/3/21 16:00	96.7	23	10.4	240						
4/3/21	4/3/21 17:00	38	21	8.1	220						
4/3/21	4/3/21 18:00	2.1	20	6.9	290						
4/3/21	4/3/21 19:00	1.5	19	6.9	180						
4/3/21	4/3/21 20:00	1.1	18	11.5	110						
4/3/21	4/3/21 21:00	1	18	8.1	130						
4/3/21	4/3/21 22:00	24.2	18	10.4	130						
4/3/21	4/3/21 23:00	374.7	19	9.2	140						
4/4/21	4/4/21 0:00	142.3	19	6.9	150						
4/4/21	4/4/21 1:00	93.2	19	5.8	200						
4/4/21	4/4/21 2:00	319.4	18	5.8	200						
4/4/21	4/4/21 3:00	525	18	6.9	230						
4/4/21	4/4/21 4:00	144.5	17	4.6	220						
4/4/21	4/4/21 5:00	511.7	16	3.5	240						

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/4/21	4/4/21 6:00	14.5	16	3.5	230
4/4/21	4/4/21 7:00	3.8	17	4.6	240
4/4/21	4/4/21 8:00	13.9	19	4.6	290
4/4/21	4/4/21 9:00	51.7	22	6.9	330
4/4/21	4/4/21 10:00	99.7	25	5.8	320
4/4/21	4/4/21 11:00	10	26	4.7	340
4/4/21	4/4/21 12:00	156.5	27	3.5	-1
4/4/21	4/4/21 13:00	23.4	28	0	0
4/4/21	4/4/21 14:00	13.4	28	5.8	-1
4/4/21	4/4/21 15:00	299	29	11.5	230
4/4/21	4/4/21 16:00	317.3	30	10.4	260
4/4/21	4/4/21 17:00	17.7	29	9.2	220
4/4/21	4/4/21 18:00	319.4	25	8.1	230
4/4/21	4/4/21 19:00	309.1	22	10.4	230
4/4/21	4/4/21 20:00	327.5	20	9.2	220
4/4/21	4/4/21 21:00	587.7	19	8.1	230
4/4/21	4/4/21 22:00	479.4	18	5.8	230
4/4/21	4/4/21 23:00	61.1	17	4.6	210
4/5/21	4/5/21 0:00	9.5	16	0	0
4/5/21	4/5/21 1:00	11.3	15	4.6	180
4/5/21	4/5/21 2:00	8.1	15	5.8	210
4/5/21	4/5/21 3:00	3.2	14	3.5	230
4/5/21	4/5/21 4:00	2.3	14	3.5	220
4/5/21	4/5/21 5:00	2	13	3.5	170
4/5/21	4/5/21 6:00	2.6	13	3.5	150
4/5/21	4/5/21 7:00	2.6	15	4.6	130
4/5/21	4/5/21 8:00	5.9	19	4.6	110
4/5/21	4/5/21 9:00	4.9	23	5.8	100
4/5/21	4/5/21 10:00	7	27	0	0
4/5/21	4/5/21 11:00	19.8	29	0	0
4/5/21	4/5/21 12:00	207.2	30	3.5	-1
4/5/21	4/5/21 13:00	142.5	28	5.8	340
4/5/21	4/5/21 14:00	2.2	28	6.9	-1
4/5/21	4/5/21 15:00	0.9	26	4.6	300
4/5/21	4/5/21 16:00	0.9	25	8.1	330
4/5/21	4/5/21 17:00	1.1	25	8.1	350
4/5/21	4/5/21 18:00	21.5	24	4.6	330
4/5/21	4/5/21 19:00	225.9	23	0	0
4/5/21	4/5/21 20:00	4	22	0	0
4/5/21	4/5/21 21:00	2.5	21	4.6	90
4/5/21	4/5/21 22:00	1.9	20	3.5	50
4/5/21	4/5/21 23:00	1.7	19	4.6	120
4/6/21	4/6/21 0:00	1.6	18	4.6	100
4/6/21	4/6/21 1:00	1.4	18	3.5	100
4/6/21	4/6/21 2:00	1	17	0	0
4/6/21	4/6/21 3:00	0.9	17	3.5	110
4/6/21	4/6/21 4:00	0.9	16	3.5	130
4/6/21	4/6/21 5:00	1.4	15	4.6	100
4/6/21	4/6/21 6:00	1.3	16	0	0
4/6/21	4/6/21 7:00	1.4	18	3.5	70
4/6/21	4/6/21 8:00	1.3	21	3.5	100
4/6/21	4/6/21 9:00	1.2	25	3.5	120
4/6/21	4/6/21 10:00	0.7	29	5.8	120
4/6/21	4/6/21 11:00	1.1	27	4.6	110
4/6/21	4/6/21 12:00	0.6	27	3.5	-1
4/6/21	4/6/21 13:00	41.5	28	0	0
4/6/21	4/6/21 14:00	7.2	26	6.9	50
4/6/21	4/6/21 15:00	1.4	26	4.6	-1
4/6/21	4/6/21 16:00	5.5	26	6.9	-1
4/6/21	4/6/21 17:00	1.2	29	5.8	10
4/6/21	4/6/21 18:00	0.4	28	9.2	30
4/6/21	4/6/21 19:00	0.4	27	11.5	60
4/6/21	4/6/21 20:00	0.3	26	9.2	90

SO2

SO2

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Max Hour

Max hour PPB /

Day |Shelter temp

PPB / Day

in range |

Airport WD is in EDT and is not representative of t|Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/6/21	4/6/21 21:00	0.4	25	11.5	120
4/6/21	4/6/21 22:00	0.7	25	6.9	140
4/6/21	4/6/21 23:00	0.5	25	5.8	100
4/7/21	4/7/21 0:00	0.2	24	3.5	60
4/7/21	4/7/21 1:00	0.3	24	18.4	50
4/7/21	4/7/21 2:00	6.2	23	11.5	110
4/7/21	4/7/21 3:00	0.8	23	10.4	130
4/7/21	4/7/21 4:00	0.8	22	6.9	150
4/7/21	4/7/21 5:00	0.7	22	4.6	140
4/7/21	4/7/21 6:00	0.8	21	5.8	340
4/7/21	4/7/21 7:00	0.7	23	5.8	10
4/7/21	4/7/21 8:00	0.8	25	4.6	30
4/7/21	4/7/21 9:00	1.1	28	0	0
4/7/21	4/7/21 10:00	3	27	0	0
4/7/21	4/7/21 11:00	4.7	26	0	0
4/7/21	4/7/21 12:00	<Samp	28	5.8	-1
4/7/21	4/7/21 13:00	ShiTemOutL	29	5.8	50
4/7/21	4/7/21 14:00	ShiTemOutL	31	8.1	20
4/7/21	4/7/21 15:00	<Samp	30	6.9	30
4/7/21	4/7/21 16:00	0.4	29	9.2	50
4/7/21	4/7/21 17:00	0.3	25	3.5	-1
4/7/21	4/7/21 18:00	0.3	25	13.8	50
4/7/21	4/7/21 19:00	0.2	26	11.5	50
4/7/21	4/7/21 20:00	0.3	25	9.2	50
4/7/21	4/7/21 21:00	0.6	24	8.1	50
4/7/21	4/7/21 22:00	1	23	9.2	70
4/7/21	4/7/21 23:00	0.4	22	8.1	80
4/8/21	4/8/21 0:00	0.3	21	9.2	70
4/8/21	4/8/21 1:00	0.4	20	5.8	80
4/8/21	4/8/21 2:00	0.3	20	6.9	60
4/8/21	4/8/21 3:00	0.3	20	6.9	60
4/8/21	4/8/21 4:00	0.5	20	5.8	70
4/8/21	4/8/21 5:00	0.6	20	4.6	90
4/8/21	4/8/21 6:00	0.7	20	5.8	90
4/8/21	4/8/21 7:00	0.7	23	5.8	90
4/8/21	4/8/21 8:00	1.5	25	6.9	110
4/8/21	4/8/21 9:00	2.9	25	5.8	140
4/8/21	4/8/21 10:00	1.2	27	5.8	150
4/8/21	4/8/21 11:00	<Samp	30	3.5	120
4/8/21	4/8/21 12:00	ShiTemOutL	32	0	0
4/8/21	4/8/21 13:00	ShiTemOutL	33	5.8	-1
4/8/21	4/8/21 14:00	ShiTemOutL	35	0	0
4/8/21	4/8/21 15:00	ShiTemOutL	35	2.9	40
4/8/21	4/8/21 16:00	ShiTemOutL	34	5.8	140
4/8/21	4/8/21 17:00	<Samp	30	6.9	150
4/8/21	4/8/21 18:00	0.6	25	16.1	140
4/8/21	4/8/21 19:00	0.6	24	12.7	140
4/8/21	4/8/21 20:00	0.5	24	13.8	130
4/8/21	4/8/21 21:00	9.9	25	13.8	140
4/8/21	4/8/21 22:00	65.9	27	11.5	140
4/8/21	4/8/21 23:00	62.7	26	13.8	170
4/9/21	4/9/21 0:00	5.1	24	12.7	200
4/9/21	4/9/21 1:00	2	24	5.8	210
4/9/21	4/9/21 2:00	0.8	24	11.5	170
4/9/21	4/9/21 3:00	0.7	25	10.4	160
4/9/21	4/9/21 4:00	4.8	24	13.8	170
4/9/21	4/9/21 5:00	1.1	24	11.5	160
4/9/21	4/9/21 6:00	1	23	12.7	170
4/9/21	4/9/21 7:00	24.4	24	11.5	150
4/9/21	4/9/21 8:00	14.8	25	6.9	150
4/9/21	4/9/21 9:00	1.3	26	9.2	180
4/9/21	4/9/21 10:00	26.9	27	12.7	180
4/9/21	4/9/21 11:00	195.4	24	12.7	170

Date

SO2

SO2

Max Hour

PPB / Day

Max hour PPB / Day |Shelter temp in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/9/21	4/9/21 12:00	330.3	24	17.3	190
4/9/21	4/9/21 13:00	37	24	13.8	190
4/9/21	4/9/21 14:00	5.9	24	6.9	190
4/9/21	4/9/21 15:00	8.1	24	6.9	260
4/9/21	4/9/21 16:00	274.9	25	0	0
4/9/21	4/9/21 17:00	3.5	26	4.6	260
4/9/21	4/9/21 18:00	1.6	26	11.5	170
4/9/21	4/9/21 19:00	1.4	25	6.9	120
4/9/21	4/9/21 20:00	0.9	24	6.9	130
4/9/21	4/9/21 21:00	0.7	23	9.2	140
4/9/21	4/9/21 22:00	0.6	23	11.5	160
4/9/21	4/9/21 23:00	0.7	23	8.1	140
4/10/21	4/10/21 0:00	0.6	22	8.1	150
4/10/21	4/10/21 1:00	0.4	22	9.2	150
4/10/21	4/10/21 2:00	0.4	22	8.1	140
4/10/21	4/10/21 3:00	0.4	22	9.2	140
4/10/21	4/10/21 4:00	0.3	22	10.4	150
4/10/21	4/10/21 5:00	0.6	21	9.2	150
4/10/21	4/10/21 6:00	0.7	21	10.4	140
4/10/21	4/10/21 7:00	0.6	22	5.8	160
4/10/21	4/10/21 8:00	2.9	24	6.9	140
4/10/21	4/10/21 9:00	4.1	25	0	0
4/10/21	4/10/21 10:00	276.9	25	0	0
4/10/21	4/10/21 11:00	235.9	26	0	0
4/10/21	4/10/21 12:00	12.1	28	3.5	-1
4/10/21	4/10/21 13:00	209.6	30	8.1	200
4/10/21	4/10/21 14:00	15.7	30	6.9	210
4/10/21	4/10/21 15:00	30.1	30	3.5	-1
4/10/21	4/10/21 16:00	1.2	27	8.1	140
4/10/21	4/10/21 17:00	0.3	24	10.4	150
4/10/21	4/10/21 18:00	0.3	24	10.4	150
4/10/21	4/10/21 19:00	0.2	24	10.4	160
4/10/21	4/10/21 20:00	0.2	24	10.4	150
4/10/21	4/10/21 21:00	0.3	26	9.2	130
4/10/21	4/10/21 22:00	0.7	27	11.5	140
4/10/21	4/10/21 23:00	1.1	27	10.4	140
4/11/21	4/11/21 0:00	0.4	26	11.5	150
4/11/21	4/11/21 1:00	0.7	26	16.1	180
4/11/21	4/11/21 2:00	0.3	26	13.8	150
4/11/21	4/11/21 3:00	0.3	26	11.5	160
4/11/21	4/11/21 4:00	0.3	25	13.8	150
4/11/21	4/11/21 5:00	0.3	24	11.5	150
4/11/21	4/11/21 6:00	0.2	24	6.9	140
4/11/21	4/11/21 7:00	0.2	23	8.1	100
4/11/21	4/11/21 8:00	0.2	23	8.1	120
4/11/21	4/11/21 9:00	1	24	5.8	120
4/11/21	4/11/21 10:00	1	24	4.6	190
4/11/21	4/11/21 11:00	6.4	26	5.8	180
4/11/21	4/11/21 12:00	4.8	25	5.8	250
4/11/21	4/11/21 13:00	2.6	26	0	0
4/11/21	4/11/21 14:00	0.5	24	0	0
4/11/21	4/11/21 15:00	3.2	26	5.8	20
4/11/21	4/11/21 16:00	0.5	25	4.6	360
4/11/21	4/11/21 17:00	0.4	24	9.2	50
4/11/21	4/11/21 18:00	0.6	24	3.5	230
4/11/21	4/11/21 19:00	0.7	24	12.7	60
4/11/21	4/11/21 20:00	2.8	23	3.5	50
4/11/21	4/11/21 21:00	32.8	23	6.9	60
4/11/21	4/11/21 22:00	17.8	22	6.9	60
4/11/21	4/11/21 23:00	29.6	21	5.8	110
4/12/21	4/12/21 0:00	47.4	20	8.1	230
4/12/21	4/12/21 1:00	158.1	20	6.9	200
4/12/21	4/12/21 2:00	41.8	19	10.4	210

Date

SO2

SO2

Max Hour

PPB / Day

SO2

Max hour PPB /

Day |Shelter temp

in range |

|I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/12/21	4/12/21 3:00	103.6	19	10.4	220
4/12/21	4/12/21 4:00	204.3	19	6.9	200
4/12/21	4/12/21 5:00	258.6	19	5.8	210
4/12/21	4/12/21 6:00	171.4	19	6.9	210
4/12/21	4/12/21 7:00	71.4	20	6.9	200
4/12/21	4/12/21 8:00	192.1	21	6.9	200
4/12/21	4/12/21 9:00	142.9	22	5.8	210
4/12/21	4/12/21 10:00	41.3	23	5.8	210
4/12/21	4/12/21 11:00	39.9	24	5.8	210
4/12/21	4/12/21 12:00	5	25	6.9	230
4/12/21	4/12/21 13:00	1.9	24	5.8	220
4/12/21	4/12/21 14:00	1.2	25	3.5	310
4/12/21	4/12/21 15:00	1.3	27	9.2	240
4/12/21	4/12/21 16:00	0.9	27	8.1	360
4/12/21	4/12/21 17:00	0.9	26	11.5	30
4/12/21	4/12/21 18:00	0.8	25	10.4	40
4/12/21	4/12/21 19:00	0.8	23	9.2	60
4/12/21	4/12/21 20:00	46.7	22	3.5	70
4/12/21	4/12/21 21:00	66.3	22	0	0
4/12/21	4/12/21 22:00	2.1	21	5.8	30
4/12/21	4/12/21 23:00	48.3	21	3.5	40
4/13/21	4/13/21 0:00	24.1	20	3.5	330
4/13/21	4/13/21 1:00	1.2	19	3.5	360
4/13/21	4/13/21 2:00	46.5	19	0	0
4/13/21	4/13/21 3:00	3.9	19	4.6	340
4/13/21	4/13/21 4:00	3.8	19	6.9	230
4/13/21	4/13/21 5:00	7.6	19	8.1	220
4/13/21	4/13/21 6:00	5	19	8.1	220
4/13/21	4/13/21 7:00	6.2	20	8.1	210
4/13/21	4/13/21 8:00	12.6	21	5.8	220
4/13/21	4/13/21 9:00	14.5	22	0	0
4/13/21	4/13/21 10:00	46.5	23	4.6	240
4/13/21	4/13/21 11:00	55.3	23	5.8	220
4/13/21	4/13/21 12:00	82.4	24	10.4	220
4/13/21	4/13/21 13:00	63.7	27	10.4	240
4/13/21	4/13/21 14:00	5.5	25	6.9	250
4/13/21	4/13/21 15:00	28.2	25	9.2	210
4/13/21	4/13/21 16:00	57.3	25	10.4	210
4/13/21	4/13/21 17:00	193	27	11.5	210
4/13/21	4/13/21 18:00	200.6	26	12.7	250
4/13/21	4/13/21 19:00	103.4	23	12.7	240
4/13/21	4/13/21 20:00	8.3	20	5.8	220
4/13/21	4/13/21 21:00	3.6	19	3.5	190
4/13/21	4/13/21 22:00	9.6	19	4.6	240
4/13/21	4/13/21 23:00	1.6	18	5.8	210
4/14/21	4/14/21 0:00	1.3	18	4.6	210
4/14/21	4/14/21 1:00	1.1	18	5.8	180
4/14/21	4/14/21 2:00	1.1	18	5.8	140
4/14/21	4/14/21 3:00	1.1	18	4.6	140
4/14/21	4/14/21 4:00	1.4	17	6.9	150
4/14/21	4/14/21 5:00	3.9	17	4.6	140
4/14/21	4/14/21 6:00	57.7	18	4.6	120
4/14/21	4/14/21 7:00	209.9	19	4.6	180
4/14/21	4/14/21 8:00	68.6	20	4.6	180
4/14/21	4/14/21 9:00	54.9	22	10.4	230
4/14/21	4/14/21 10:00	28.6	23	17.3	220
4/14/21	4/14/21 11:00	26	23	16.1	220
4/14/21	4/14/21 12:00	22	24	0	0
4/14/21	4/14/21 13:00	32.7	25	15	230
4/14/21	4/14/21 14:00	72.8	27	12.7	230
4/14/21	4/14/21 15:00	109.3	26	12.7	240
4/14/21	4/14/21 16:00	72.3	26	13.8	210
4/14/21	4/14/21 17:00	54.2	27	12.7	240

SO2

SO2

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Max Hour

Max hour PPB /

Day |Shelter temp

PPB / Day

in range |

Airport WD is in EDT and is not representative of t|Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/14/21	4/14/21 18:00	129.7	25	15	260
4/14/21	4/14/21 19:00	109.2	21	12.7	230
4/14/21	4/14/21 20:00	191.7	20	9.2	210
4/14/21	4/14/21 21:00	2.8	19	4.6	200
4/14/21	4/14/21 22:00	13.7	19	6.9	190
4/14/21	4/14/21 23:00	3.9	19	5.8	160
4/15/21	4/15/21 0:00	2.9	19	3.5	180
4/15/21	4/15/21 1:00	1.7	19	0	0
4/15/21	4/15/21 2:00	0.9	19	5.8	270
4/15/21	4/15/21 3:00	0.8	18	11.5	300
4/15/21	4/15/21 4:00	1	18	8.1	340
4/15/21	4/15/21 5:00	16.8	18	5.8	320
4/15/21	4/15/21 6:00	1.7	17	4.6	340
4/15/21	4/15/21 7:00	0.9	17	0	0
4/15/21	4/15/21 8:00	4.3	18	11.5	290
4/15/21	4/15/21 9:00	29.7	19	9.2	290
4/15/21	4/15/21 10:00	47.8	20	9.2	260
4/15/21	4/15/21 11:00	20.2	21	11.5	280
4/15/21	4/15/21 12:00	16.3	21	12.7	230
4/15/21	4/15/21 13:00	29.4	19	20.7	240
4/15/21	4/15/21 14:00	21.2	19	15	230
4/15/21	4/15/21 15:00	12.3	19	17.3	230
4/15/21	4/15/21 16:00	11.6	19	17.3	230
4/15/21	4/15/21 17:00	15.2	19	18.4	240
4/15/21	4/15/21 18:00	16.4	18	13.8	240
4/15/21	4/15/21 19:00	16.4	17	13.8	230
4/15/21	4/15/21 20:00	17.8	16	12.7	240
4/15/21	4/15/21 21:00	18.5	16	8.1	230
4/15/21	4/15/21 22:00	3.5	16	10.4	230
4/15/21	4/15/21 23:00	1.9	16	9.2	250
4/16/21	4/16/21 0:00	2	15	6.9	270
4/16/21	4/16/21 1:00	1.6	15	13.8	290
4/16/21	4/16/21 2:00	1.2	15	8.1	260
4/16/21	4/16/21 3:00	1.8	15	11.5	280
4/16/21	4/16/21 4:00	2.3	15	12.7	260
4/16/21	4/16/21 5:00	2.1	15	13.8	260
4/16/21	4/16/21 6:00	2.2	16	11.5	260
4/16/21	4/16/21 7:00	<Samp	16	11.5	260
4/16/21	4/16/21 8:00	OffScan	19	10.4	260
4/16/21	4/16/21 9:00	OffScan	21	13.8	280
4/16/21	4/16/21 10:00	<Samp	23	13.8	270
4/16/21	4/16/21 11:00	50.8	22	12.7	270
4/16/21	4/16/21 12:00	26.9	21	9.2	260
4/16/21	4/16/21 13:00	33.5	20	15	260
4/16/21	4/16/21 14:00	30.2	20	10.4	250
4/16/21	4/16/21 15:00	24.7	19	12.7	260
4/16/21	4/16/21 16:00	25.2	19	12.7	240
4/16/21	4/16/21 17:00	24	19	13.8	240
4/16/21	4/16/21 18:00	2.7	19	11.5	230
4/16/21	4/16/21 19:00	1.3	19	6.9	240
4/16/21	4/16/21 20:00	1.3	19	11.5	330
4/16/21	4/16/21 21:00	0.8	18	8.1	310
4/16/21	4/16/21 22:00	0.7	18	8.1	300
4/16/21	4/16/21 23:00	0.6	18	6.9	300
4/17/21	4/17/21 0:00	0.5	18	4.6	300
4/17/21	4/17/21 1:00	0.6	18	5.8	310
4/17/21	4/17/21 2:00	0.5	18	4.6	290
4/17/21	4/17/21 3:00	0.5	18	5.8	300
4/17/21	4/17/21 4:00	0.6	18	4.6	330
4/17/21	4/17/21 5:00	0.6	18	4.6	280
4/17/21	4/17/21 6:00	0.6	19	0	0
4/17/21	4/17/21 7:00	0.9	20	4.6	250
4/17/21	4/17/21 8:00	49.4	21	3.5	250

Date

SO2

SO2

Max hour PPB /
Day |Shelter temp
PPB / Day

|I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD	Date
	EST	ppb	C°	MPH	Deg	
4/17/21	4/17/21 9:00	82.2	24	3.5	290	
4/17/21	4/17/21 10:00	25.7	26	4.6	200	
4/17/21	4/17/21 11:00	9.9	27	9.2	220	
4/17/21	4/17/21 12:00	8.2	27	9.2	220	
4/17/21	4/17/21 13:00	9.2	26	11.5	230	
4/17/21	4/17/21 14:00	17.9	24	12.7	230	
4/17/21	4/17/21 15:00	11.9	23	11.5	220	
4/17/21	4/17/21 16:00	26.4	24	12.7	250	
4/17/21	4/17/21 17:00	53.4	24	13.8	230	
4/17/21	4/17/21 18:00	51.3	23	12.7	230	
4/17/21	4/17/21 19:00	40.4	21	12.7	230	
4/17/21	4/17/21 20:00	38.6	20	12.7	230	
4/17/21	4/17/21 21:00	35.8	19	11.5	220	
4/17/21	4/17/21 22:00	46.1	19	13.8	230	
4/17/21	4/17/21 23:00	45	19	13.8	230	
4/18/21	4/18/21 0:00	35	19	11.5	220	
4/18/21	4/18/21 1:00	31.4	19	12.7	230	
4/18/21	4/18/21 2:00	43.8	19	10.4	230	
4/18/21	4/18/21 3:00	62.8	19	11.5	220	
4/18/21	4/18/21 4:00	43.9	18	6.9	220	
4/18/21	4/18/21 5:00	852.7	18	6.9	220	
4/18/21	4/18/21 6:00	567.1	19	9.2	230	
4/18/21	4/18/21 7:00	348.6	21	8.1	230	
4/18/21	4/18/21 8:00	251	23	8.1	220	
4/18/21	4/18/21 9:00	286.6	25	9.2	230	
4/18/21	4/18/21 10:00	158.9	27	10.4	220	
4/18/21	4/18/21 11:00	126.4	29	10.4	230	
4/18/21	4/18/21 12:00	72.7	30	12.7	230	
4/18/21	4/18/21 13:00	15.4	30	15	230	
4/18/21	4/18/21 14:00	30.2	29	15	230	
4/18/21	4/18/21 15:00	43.1	31	13.8	250	
4/18/21	4/18/21 16:00	52.1	31	10.4	240	
4/18/21	4/18/21 17:00	252.6	30	12.7	210	
4/18/21	4/18/21 18:00	396.7	28	12.7	240	
4/18/21	4/18/21 19:00	397.7	25	11.5	240	
4/18/21	4/18/21 20:00	603.8	23	8.1	230	
4/18/21	4/18/21 21:00	127.9	22	8.1	220	
4/18/21	4/18/21 22:00	41.7	20	8.1	230	
4/18/21	4/18/21 23:00	79.8	20	9.2	240	
4/19/21	4/19/21 0:00	111.9	19	8.1	240	
4/19/21	4/19/21 1:00	76.5	19	6.9	220	
4/19/21	4/19/21 2:00	43.9	19	6.9	200	
4/19/21	4/19/21 3:00	38.5	19	6.9	210	
4/19/21	4/19/21 4:00	2.9	19	6.9	200	
4/19/21	4/19/21 5:00	204.7	18	6.9	200	
4/19/21	4/19/21 6:00	53.9	20	5.8	170	
4/19/21	4/19/21 7:00	109.8	21	5.8	190	
4/19/21	4/19/21 8:00	125.8	24	8.1	170	
4/19/21	4/19/21 9:00	69.4	27	5.8	200	
4/19/21	4/19/21 10:00	67.4	29	15	240	
4/19/21	4/19/21 11:00	45	31	16.1	220	
4/19/21	4/19/21 12:00	89.6	32	17.3	240	
4/19/21	4/19/21 13:00	44.3	33	15	240	
4/19/21	4/19/21 14:00	21.3	34	13.8	230	
4/19/21	4/19/21 15:00	30.3	35	18.4	220	
4/19/21	4/19/21 16:00	23.8	33	13.8	230	
4/19/21	4/19/21 17:00	36.6	30	18.4	230	
4/19/21	4/19/21 18:00	15.5	28	15	240	
4/19/21	4/19/21 19:00	34.9	25	10.4	240	
4/19/21	4/19/21 20:00	59.6	24	10.4	240	
4/19/21	4/19/21 21:00	54	23	18.4	220	
4/19/21	4/19/21 22:00	23.8	22	13.8	190	
4/19/21	4/19/21 23:00	5.4	21	10.4	230	

SO2

SO2

Max Hour

PPB / Day

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/20/21	4/20/21 0:00	10.4	21	6.9	250
4/20/21	4/20/21 1:00	1.4	20	0	0
4/20/21	4/20/21 2:00	5.5	18	15	290
4/20/21	4/20/21 3:00	9.9	18	12.7	260
4/20/21	4/20/21 4:00	18.8	17	12.7	250
4/20/21	4/20/21 5:00	55.2	17	15	250
4/20/21	4/20/21 6:00	25.9	17	17.3	240
4/20/21	4/20/21 7:00	13.9	18	19.6	240
4/20/21	4/20/21 8:00	27.7	20	13.8	260
4/20/21	4/20/21 9:00	21.1	21	15	260
4/20/21	4/20/21 10:00	13.4	21	19.6	240
4/20/21	4/20/21 11:00	16.6	21	17.3	230
4/20/21	4/20/21 12:00	49.1	22	13.8	240
4/20/21	4/20/21 13:00	59.8	22	20.7	240
4/20/21	4/20/21 14:00	32.7	22	19.6	230
4/20/21	4/20/21 15:00	22.4	21	16.1	240
4/20/21	4/20/21 16:00	25.5	20	13.8	240
4/20/21	4/20/21 17:00	11.3	19	16.1	230
4/20/21	4/20/21 18:00	1	19	13.8	230
4/20/21	4/20/21 19:00	0.7	17	11.5	330
4/20/21	4/20/21 20:00	0.7	17	10.4	350
4/20/21	4/20/21 21:00	0.9	16	8.1	330
4/20/21	4/20/21 22:00	0.5	15	10.4	350
4/20/21	4/20/21 23:00	0.5	14	4.6	10
4/21/21	4/21/21 0:00	0.4	14	5.8	40
4/21/21	4/21/21 1:00	0.4	13	6.9	340
4/21/21	4/21/21 2:00	0.4	13	5.8	40
4/21/21	4/21/21 3:00	0.4	13	6.9	30
4/21/21	4/21/21 4:00	0.3	13	8.1	10
4/21/21	4/21/21 5:00	0.3	13	9.2	20
4/21/21	4/21/21 6:00	0.4	12	5.8	30
4/21/21	4/21/21 7:00	0.6	13	8.1	340
4/21/21	4/21/21 8:00	0.6	14	8.1	340
4/21/21	4/21/21 9:00	0.5	16	8.1	320
4/21/21	4/21/21 10:00	0.5	18	11.5	320
4/21/21	4/21/21 11:00	0.4	21	9.2	330
4/21/21	4/21/21 12:00	0.4	21	8.1	310
4/21/21	4/21/21 13:00	0.4	22	11.5	340
4/21/21	4/21/21 14:00	<Samp	21	11.5	310
4/21/21	4/21/21 15:00	OffScan	21	13.8	300
4/21/21	4/21/21 16:00	0.8	21	13.8	300
4/21/21	4/21/21 17:00	0.7	20	13.8	280
4/21/21	4/21/21 18:00	0.4	18	11.5	280
4/21/21	4/21/21 19:00	0.4	17	8.1	310
4/21/21	4/21/21 20:00	0.3	15	11.5	290
4/21/21	4/21/21 21:00	0.7	14	17.3	310
4/21/21	4/21/21 22:00	0.5	14	12.7	300
4/21/21	4/21/21 23:00	0.7	14	10.4	280
4/22/21	4/22/21 0:00	0.7	13	10.4	270
4/22/21	4/22/21 1:00	1.1	13	12.7	290
4/22/21	4/22/21 2:00	1.6	13	9.2	280
4/22/21	4/22/21 3:00	0.4	13	10.4	270
4/22/21	4/22/21 4:00	0.5	13	10.4	260
4/22/21	4/22/21 5:00	0.3	13	13.8	280
4/22/21	4/22/21 6:00	0.4	13	11.5	280
4/22/21	4/22/21 7:00	0.5	15	11.5	270
4/22/21	4/22/21 8:00	0.4	16	12.7	270
4/22/21	4/22/21 9:00	0.4	16	15	280
4/22/21	4/22/21 10:00	0.6	18	13.8	300
4/22/21	4/22/21 11:00	0.5	19	15	290
4/22/21	4/22/21 12:00	15.2	19	15	270
4/22/21	4/22/21 13:00	9.2	19	24.2	280
4/22/21	4/22/21 14:00	12.4	18	20.7	260

SO2

SO2

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Max Hour

Max hour PPB /

PPB / Day

Day |Shelter temp

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/22/21	4/22/21 15:00	13.7	18	12.7	270
4/22/21	4/22/21 16:00	7	16	21.9	270
4/22/21	4/22/21 17:00	18.6	16	17.3	250
4/22/21	4/22/21 18:00	7.4	17	15	240
4/22/21	4/22/21 19:00	0.6	16	13.8	270
4/22/21	4/22/21 20:00	0.8	16	6.9	280
4/22/21	4/22/21 21:00	1	15	11.5	300
4/22/21	4/22/21 22:00	0.6	15	6.9	260
4/22/21	4/22/21 23:00	2.1	15	6.9	250
4/23/21	4/23/21 0:00	11.2	15	8.1	250
4/23/21	4/23/21 1:00	17.8	15	5.8	250
4/23/21	4/23/21 2:00	59.6	15	8.1	240
4/23/21	4/23/21 3:00	261.2	15	8.1	230
4/23/21	4/23/21 4:00	243.7	15	9.2	200
4/23/21	4/23/21 5:00	53.3	15	8.1	200
4/23/21	4/23/21 6:00	33.9	17	6.9	200
4/23/21	4/23/21 7:00	31.8	19	10.4	240
4/23/21	4/23/21 8:00	32	20	11.5	250
4/23/21	4/23/21 9:00	44.5	22	12.7	250
4/23/21	4/23/21 10:00	63.7	24	12.7	230
4/23/21	4/23/21 11:00	71.1	25	17.3	230
4/23/21	4/23/21 12:00	48.3	21	16.1	230
4/23/21	4/23/21 13:00	66.2	23	19.6	230
4/23/21	4/23/21 14:00	71	24	20.7	240
4/23/21	4/23/21 15:00	64.4	24	21.9	230
4/23/21	4/23/21 16:00	86.4	22	21.9	230
4/23/21	4/23/21 17:00	43.2	21	23	230
4/23/21	4/23/21 18:00	35.9	20	18.4	230
4/23/21	4/23/21 19:00	42.8	18	19.6	230
4/23/21	4/23/21 20:00	34.1	17	15	230
4/23/21	4/23/21 21:00	85.9	17	13.8	230
4/23/21	4/23/21 22:00	50.3	16	13.8	230
4/23/21	4/23/21 23:00	149.1	16	10.4	230
4/24/21	4/24/21 0:00	57.1	16	11.5	210
4/24/21	4/24/21 1:00	48.6	16	11.5	210
4/24/21	4/24/21 2:00	52.5	16	11.5	220
4/24/21	4/24/21 3:00	76.2	16	12.7	220
4/24/21	4/24/21 4:00	53.3	16	10.4	210
4/24/21	4/24/21 5:00	452.9	16	10.4	220
4/24/21	4/24/21 6:00	561.3	17	9.2	220
4/24/21	4/24/21 7:00	530.9	20	11.5	210
4/24/21	4/24/21 8:00	211.8	22	10.4	230
4/24/21	4/24/21 9:00	58.2	24	11.5	230
4/24/21	4/24/21 10:00	15.8	25	16.1	230
4/24/21	4/24/21 11:00	6.9	26	16.1	240
4/24/21	4/24/21 12:00	14.8	27	10.4	240
4/24/21	4/24/21 13:00	12.4	27	11.5	240
4/24/21	4/24/21 14:00	42	26	9.2	210
4/24/21	4/24/21 15:00	105.7	25	5.8	-1
4/24/21	4/24/21 16:00	218.6	25	4.6	270
4/24/21	4/24/21 17:00	281.9	24	5.8	240
4/24/21	4/24/21 18:00	349.5	22	6.9	210
4/24/21	4/24/21 19:00	116.7	21	5.8	210
4/24/21	4/24/21 20:00	260	20	5.8	240
4/24/21	4/24/21 21:00	2.8	19	6.9	230
4/24/21	4/24/21 22:00	4	18	5.8	230
4/24/21	4/24/21 23:00	6.4	18	2.9	-
4/25/21	4/25/21 0:00	155.7	18	0	0
4/25/21	4/25/21 1:00	296.8	18	3.5	240
4/25/21	4/25/21 2:00	203.9	18	6.9	220
4/25/21	4/25/21 3:00	333.1	18	5.8	200
4/25/21	4/25/21 4:00	319.6	18	5.8	210
4/25/21	4/25/21 5:00	79.9	18	5.8	220

Date

SO2

SO2

Max Hour

PPB / Day

SO2

Max hour PPB /

Day |Shelter temp

in range |

|I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/25/21	4/25/21 6:00	77.3	18	5.8	230
4/25/21	4/25/21 7:00	65.3	18	9.2	230
4/25/21	4/25/21 8:00	21	18	10.4	240
4/25/21	4/25/21 9:00	15.7	17	10.4	220
4/25/21	4/25/21 10:00	28.4	17	10.4	230
4/25/21	4/25/21 11:00	32.2	18	11.5	240
4/25/21	4/25/21 12:00	45.6	19	10.4	230
4/25/21	4/25/21 13:00	1.8	22	9.2	230
4/25/21	4/25/21 14:00	7.4	23	15	300
4/25/21	4/25/21 15:00	1.5	22	17.3	300
4/25/21	4/25/21 16:00	1.2	24	20.7	310
4/25/21	4/25/21 17:00	0.7	22	17.3	320
4/25/21	4/25/21 18:00	0.8	20	20.7	310
4/25/21	4/25/21 19:00	0.6	17	16.1	300
4/25/21	4/25/21 20:00	0.4	15	15	290
4/25/21	4/25/21 21:00	0.4	14	12.7	300
4/25/21	4/25/21 22:00	0.4	13	12.7	290
4/25/21	4/25/21 23:00	0.5	13	10.4	280
4/26/21	4/26/21 0:00	0.5	12	13.8	340
4/26/21	4/26/21 1:00	0.5	12	8.1	330
4/26/21	4/26/21 2:00	0.4	12	8.1	300
4/26/21	4/26/21 3:00	0.5	12	10.4	320
4/26/21	4/26/21 4:00	0.5	12	9.2	340
4/26/21	4/26/21 5:00	0.4	11	8.1	310
4/26/21	4/26/21 6:00	0.5	11	11.5	320
4/26/21	4/26/21 7:00	0.4	13	9.2	320
4/26/21	4/26/21 8:00	0.3	15	9.2	10
4/26/21	4/26/21 9:00	0.4	18	9.2	310
4/26/21	4/26/21 10:00	7.1	21	8.1	310
4/26/21	4/26/21 11:00	5.7	24	8.1	290
4/26/21	4/26/21 12:00	79.3	25	5.8	350
4/26/21	4/26/21 13:00	28	26	5.8	360
4/26/21	4/26/21 14:00	19	25	5.8	340
4/26/21	4/26/21 15:00	19.4	24	3.5	260
4/26/21	4/26/21 16:00	10.8	22	0	0
4/26/21	4/26/21 17:00	1	20	6.9	290
4/26/21	4/26/21 18:00	0.6	20	5.8	310
4/26/21	4/26/21 19:00	0.6	18	0	0
4/26/21	4/26/21 20:00	0.6	17	0	0
4/26/21	4/26/21 21:00	0.7	17	4.6	60
4/26/21	4/26/21 22:00	0.5	16	3.5	40
4/26/21	4/26/21 23:00	0.6	15	4.6	80
4/27/21	4/27/21 0:00	0.5	15	6.9	90
4/27/21	4/27/21 1:00	0.5	15	6.9	50
4/27/21	4/27/21 2:00	0.7	15	9.2	60
4/27/21	4/27/21 3:00	0.6	15	5.8	90
4/27/21	4/27/21 4:00	0.5	15	9.2	70
4/27/21	4/27/21 5:00	0.5	15	11.5	80
4/27/21	4/27/21 6:00	0.5	16	9.2	80
4/27/21	4/27/21 7:00	0.6	19	10.4	90
4/27/21	4/27/21 8:00	54.3	23	6.9	100
4/27/21	4/27/21 9:00	61.4	26	6.9	130
4/27/21	4/27/21 10:00	6.3	26	4.6	210
4/27/21	4/27/21 11:00	5.2	27	11.5	230
4/27/21	4/27/21 12:00	58.1	28	11.5	260
4/27/21	4/27/21 13:00	81.5	26	13.8	240
4/27/21	4/27/21 14:00	262.1	27	12.7	260
4/27/21	4/27/21 15:00	309	26	9.2	240
4/27/21	4/27/21 16:00	306.6	26	9.2	210
4/27/21	4/27/21 17:00	70	24	11.5	190
4/27/21	4/27/21 18:00	26.5	25	10.4	210
4/27/21	4/27/21 19:00	41.5	25	6.9	200
4/27/21	4/27/21 20:00	2.2	24	4.6	200

Date

SO2

SO2

Max Hour

PPB / Day

SO2

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/27/21	4/27/21 21:00	2	23	3.5	140
4/27/21	4/27/21 22:00	1.6	22	4.6	340
4/27/21	4/27/21 23:00	1.4	22	10.4	150
4/28/21	4/28/21 0:00	1.2	20	4.6	350
4/28/21	4/28/21 1:00	1.2	20	8.1	10
4/28/21	4/28/21 2:00	1.1	20	3.5	70
4/28/21	4/28/21 3:00	1	20	5.8	50
4/28/21	4/28/21 4:00	43.8	20	0	0
4/28/21	4/28/21 5:00	113.2	20	3.5	70
4/28/21	4/28/21 6:00	41.4	21	4.6	180
4/28/21	4/28/21 7:00	222.4	23	4.6	200
4/28/21	4/28/21 8:00	171.1	26	4.6	200
4/28/21	4/28/21 9:00	156.3	26	8.1	210
4/28/21	4/28/21 10:00	22.5	25	10.4	230
4/28/21	4/28/21 11:00	9.1	25	18.4	240
4/28/21	4/28/21 12:00	116.1	24	15	230
4/28/21	4/28/21 13:00	143.9	22	9.2	220
4/28/21	4/28/21 14:00	199.3	22	13.8	220
4/28/21	4/28/21 15:00	78.3	25	12.7	220
4/28/21	4/28/21 16:00	58.7	25	13.8	220
4/28/21	4/28/21 17:00	50.5	25	16.1	230
4/28/21	4/28/21 18:00	13.2	24	12.7	240
4/28/21	4/28/21 19:00	100.3	22	11.5	240
4/28/21	4/28/21 20:00	26.1	21	6.9	230
4/28/21	4/28/21 21:00	6	21	4.6	210
4/28/21	4/28/21 22:00	5.2	21	8.1	40
4/28/21	4/28/21 23:00	25.7	21	3.5	80
4/29/21	4/29/21 0:00	16.3	21	3.5	50
4/29/21	4/29/21 1:00	27.4	20	3.5	10
4/29/21	4/29/21 2:00	26.8	20	4.6	10
4/29/21	4/29/21 3:00	4.2	21	0	0
4/29/21	4/29/21 4:00	7.8	21	6.9	20
4/29/21	4/29/21 5:00	2.6	20	5.8	60
4/29/21	4/29/21 6:00	2.3	20	4.6	20
4/29/21	4/29/21 7:00	1.8	20	4.6	60
4/29/21	4/29/21 8:00	1.6	21	4.6	40
4/29/21	4/29/21 9:00	1.4	21	5.8	150
4/29/21	4/29/21 10:00	1.6	21	0	0
4/29/21	4/29/21 11:00	1	21	5.8	40
4/29/21	4/29/21 12:00	1	21	5.8	70
4/29/21	4/29/21 13:00	0.7	21	6.9	40
4/29/21	4/29/21 14:00	0.7	21	10.4	30
4/29/21	4/29/21 15:00	0.7	21	11.5	50
4/29/21	4/29/21 16:00	0.8	22	5.8	20
4/29/21	4/29/21 17:00	0.7	21	3.5	90
4/29/21	4/29/21 18:00	0.5	20	9.2	330
4/29/21	4/29/21 19:00	1.6	18	12.7	340
4/29/21	4/29/21 20:00	29	18	9.2	330
4/29/21	4/29/21 21:00	28.6	17	5.8	280
4/29/21	4/29/21 22:00	16.5	17	6.9	230
4/29/21	4/29/21 23:00	13.9	17	11.5	250
4/30/21	4/30/21 0:00	13.2	17	11.5	250
4/30/21	4/30/21 0:00	2	14	18.4	290
4/30/21	4/30/21 1:00	18.7	16	12.7	260
4/30/21	4/30/21 2:00	19.5	16	13.8	260
4/30/21	4/30/21 3:00	7.8	16	12.7	260
4/30/21	4/30/21 4:00	5	16	12.7	260
4/30/21	4/30/21 5:00	47.6	16	13.8	260
4/30/21	4/30/21 6:00	3.7	17	13.8	260
4/30/21	4/30/21 7:00	1.7	17	10.4	260
4/30/21	4/30/21 8:00	1.9	17	11.5	270
4/30/21	4/30/21 9:00	1.4	17	19.6	280
4/30/21	4/30/21 10:00	1.9	18	11.5	280

SO2

SO2

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Max Hour

Max hour PPB /

PPB / Day

Day |Shelter temp

in range |

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
4/30/21	4/30/21 11:00	17.1	20	20.7	280
4/30/21	4/30/21 12:00	7.2	21	23	290
4/30/21	4/30/21 13:00	0.8	21	25.3	290
4/30/21	4/30/21 14:00	0.7	20	20.7	280
4/30/21	4/30/21 15:00	0.5	19	21.9	290
4/30/21	4/30/21 16:00	0.5	17	24.2	300
4/30/21	4/30/21 17:00	0.4	16	19.6	290
4/30/21	4/30/21 18:00	0.4	16	18.4	300
4/30/21	4/30/21 19:00	0.4	15	20.7	300
4/30/21	4/30/21 20:00	0.5	14	20.7	300
4/30/21	4/30/21 21:00	0.4	14	17.3	310
4/30/21	4/30/21 22:00	0.4	14	21.9	320
4/30/21	4/30/21 23:00	0.4	14	11.5	290
5/1/21	5/1/21 0:00	183.5	19	5.8	220
5/1/21	5/1/21 1:00	1.7	13	15	280
5/1/21	5/1/21 2:00	1.6	13	11.5	280
5/1/21	5/1/21 3:00	1.3	12	11.5	290
5/1/21	5/1/21 4:00	1.1	11	9.2	290
5/1/21	5/1/21 5:00	0.9	11	6.9	290
5/1/21	5/1/21 6:00	0.7	14	10.4	330
5/1/21	5/1/21 7:00	2.5	17	5.8	330
5/1/21	5/1/21 8:00	66.4	18	6.9	320
5/1/21	5/1/21 9:00	61.3	19	9.2	280
5/1/21	5/1/21 10:00	43.4	21	9.2	240
5/1/21	5/1/21 11:00	3.9	22	12.7	240
5/1/21	5/1/21 12:00	14.8	24	12.7	230
5/1/21	5/1/21 13:00	35.5	25	8.1	230
5/1/21	5/1/21 14:00	18	26	9.2	250
5/1/21	5/1/21 15:00	61	26	13.8	230
5/1/21	5/1/21 16:00	51.5	24	13.8	230
5/1/21	5/1/21 17:00	140.8	21	12.7	220
5/1/21	5/1/21 18:00	170.9	19	10.4	220
5/1/21	5/1/21 19:00	116.3	19	13.8	210
5/1/21	5/1/21 20:00	161.7	18	10.4	190
5/1/21	5/1/21 21:00	172.6	18	3.5	310
5/1/21	5/1/21 22:00	197.8	19	3.5	180
5/1/21	5/1/21 23:00	238	19	6.9	200
5/2/21	5/2/21 0:00	1	21	10.4	70
5/2/21	5/2/21 1:00	61.1	20	8.1	220
5/2/21	5/2/21 2:00	11.2	20	13.8	230
5/2/21	5/2/21 3:00	17.9	20	15	240
5/2/21	5/2/21 4:00	41.4	20	17.3	240
5/2/21	5/2/21 5:00	34.5	20	17.3	230
5/2/21	5/2/21 6:00	13.1	20	19.6	230
5/2/21	5/2/21 7:00	10.2	21	16.1	240
5/2/21	5/2/21 8:00	19.5	21	17.3	240
5/2/21	5/2/21 9:00	9.5	22	15	230
5/2/21	5/2/21 10:00	3.4	23	15	230
5/2/21	5/2/21 11:00	203.3	25	10.4	220
5/2/21	5/2/21 12:00	74.5	25	6.9	280
5/2/21	5/2/21 13:00	158.9	28	3.5	320
5/2/21	5/2/21 14:00	54.4	27	3.5	-1
5/2/21	5/2/21 15:00	229.7	25	9.2	50
5/2/21	5/2/21 16:00	69.9	25	6.9	20
5/2/21	5/2/21 17:00	2.2	25	5.8	50
5/2/21	5/2/21 18:00	1.6	24	10.4	60
5/2/21	5/2/21 19:00	1.3	24	9.2	40
5/2/21	5/2/21 20:00	1.1	23	11.5	70
5/2/21	5/2/21 21:00	1	21	9.2	80
5/2/21	5/2/21 22:00	0.9	21	10.4	70
5/2/21	5/2/21 23:00	0.8	20	11.5	60
5/3/21	5/3/21 0:00	0.5	18	8.1	40
5/3/21	5/3/21 1:00	0.9	21	9.2	60

SO2

SO2

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Max Hour

Max hour PPB /

Day |Shelter temp

PPB / Day

in range |

Airport WD is in EDT and is not representative of t|Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/3/21	5/3/21 2:00	1	21	10.4	60
5/3/21	5/3/21 3:00	0.9	21	12.7	70
5/3/21	5/3/21 4:00	0.9	21	10.4	70
5/3/21	5/3/21 5:00	141.5	21	6.9	100
5/3/21	5/3/21 6:00	176.1	22	5.8	130
5/3/21	5/3/21 7:00	186.3	24	6.9	200
5/3/21	5/3/21 8:00	118.8	25	5.8	210
5/3/21	5/3/21 9:00	123.9	25	9.2	230
5/3/21	5/3/21 10:00	47.6	26	10.4	240
5/3/21	5/3/21 11:00	9.4	25	8.1	230
5/3/21	5/3/21 12:00	2.4	25	8.1	220
5/3/21	5/3/21 13:00	1.7	25	4.6	-1
5/3/21	5/3/21 14:00	1.3	25	4.6	360
5/3/21	5/3/21 15:00	1.5	25	10.4	40
5/3/21	5/3/21 16:00	1.5	25	13.8	40
5/3/21	5/3/21 17:00	1.3	24	11.5	50
5/3/21	5/3/21 18:00	1.1	23	11.5	50
5/3/21	5/3/21 19:00	0.9	21	12.7	50
5/3/21	5/3/21 20:00	0.7	21	12.7	50
5/3/21	5/3/21 21:00	0.6	20	10.4	50
5/3/21	5/3/21 22:00	0.5	19	9.2	40
5/3/21	5/3/21 23:00	0.5	18	8.1	50
5/4/21	5/4/21 0:00	13.3	21	12.7	230
5/4/21	5/4/21 1:00	0.5	18	8.1	40
5/4/21	5/4/21 2:00	0.4	17	9.2	40
5/4/21	5/4/21 3:00	0.4	17	4.6	10
5/4/21	5/4/21 4:00	5.6	17	3.5	360
5/4/21	5/4/21 5:00	16.1	17	0	0
5/4/21	5/4/21 6:00	12.9	18	5.8	230
5/4/21	5/4/21 7:00	28	19	6.9	230
5/4/21	5/4/21 8:00	10	21	6.9	230
5/4/21	5/4/21 9:00	43.1	25	8.1	220
5/4/21	5/4/21 10:00	120.7	27	0	0
5/4/21	5/4/21 11:00	154.5	25	3.5	-1
5/4/21	5/4/21 12:00	73.8	24	8.1	230
5/4/21	5/4/21 13:00	57.3	25	5.8	210
5/4/21	5/4/21 14:00	83.4	25	8.1	260
5/4/21	5/4/21 15:00	88.3	25	16.1	230
5/4/21	5/4/21 16:00	53.3	24	15	230
5/4/21	5/4/21 17:00	92.6	23	13.8	220
5/4/21	5/4/21 18:00	77.5	23	12.7	210
5/4/21	5/4/21 19:00	61.6	22	11.5	220
5/4/21	5/4/21 20:00	74.8	22	11.5	220
5/4/21	5/4/21 21:00	171.4	22	10.4	220
5/4/21	5/4/21 22:00	53.6	22	8.1	210
5/4/21	5/4/21 23:00	23.6	22	9.2	230
5/5/21	5/5/21 0:00	1.9	17	12.7	290
5/5/21	5/5/21 1:00	8	21	10.4	240
5/5/21	5/5/21 2:00	31.9	21	8.1	240
5/5/21	5/5/21 3:00	3.1	21	6.9	270
5/5/21	5/5/21 4:00	1.8	21	9.2	320
5/5/21	5/5/21 5:00	10.7	20	6.9	300
5/5/21	5/5/21 6:00	13	20	3.5	250
5/5/21	5/5/21 7:00	3.6	20	8.1	260
5/5/21	5/5/21 8:00	3.7	21	6.9	280
5/5/21	5/5/21 9:00	3.3	21	9.2	290
5/5/21	5/5/21 10:00	1.6	23	9.2	300
5/5/21	5/5/21 11:00	<Samp	22	9.2	290
5/5/21	5/5/21 12:00	Zero	23	9.2	290
5/5/21	5/5/21 13:00	Calib	21	9.2	320
5/5/21	5/5/21 14:00	Calib	23	11.5	310
5/5/21	5/5/21 15:00	25.2	22	12.7	290
5/5/21	5/5/21 16:00	17.4	21	10.4	260

Date

SO2
Max Hour
PPB / Day

SO2
Max hour PPB /
Day |Shelter temp
in range |

|I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t|Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/5/21	5/5/21 17:00	4.4	21	16.1	250
5/5/21	5/5/21 18:00	2	21	10.4	240
5/5/21	5/5/21 19:00	0.9	21	18.4	280
5/5/21	5/5/21 20:00	1	20	12.7	280
5/5/21	5/5/21 21:00	0.8	19	10.4	310
5/5/21	5/5/21 22:00	0.7	18	10.4	290
5/5/21	5/5/21 23:00	1	18	10.4	290
5/6/21	5/6/21 0:00	1.9	17	12.7	290
5/6/21	5/6/21 1:00	2	16	11.5	300
5/6/21	5/6/21 2:00	1.6	16	6.9	290
5/6/21	5/6/21 3:00	1.6	15	8.1	280
5/6/21	5/6/21 4:00	2	15	8.1	290
5/6/21	5/6/21 5:00	30.4	15	6.9	290
5/6/21	5/6/21 6:00	44.8	17	5.8	290
5/6/21	5/6/21 7:00	67	20	4.6	190
5/6/21	5/6/21 8:00	110	22	0	0
5/6/21	5/6/21 9:00	43.1	NoData	3.5	-1
5/6/21	5/6/21 10:00	82.7	24	6.9	210
5/6/21	5/6/21 11:00	63.6	25	6.9	-1
5/6/21	5/6/21 12:00	53.9	26	5.8	-1
5/6/21	5/6/21 13:00	38.6	25	13.8	250
5/6/21	5/6/21 14:00	23	25	12.7	240
5/6/21	5/6/21 15:00	38.7	24	15	250
5/6/21	5/6/21 16:00	9.8	25	9.2	230
5/6/21	5/6/21 17:00	7.2	25	10.4	240
5/6/21	5/6/21 18:00	2.8	23	11.5	260
5/6/21	5/6/21 19:00	15.3	20	11.5	230
5/6/21	5/6/21 20:00	32.4	20	9.2	240
5/6/21	5/6/21 21:00	85.5	19	6.9	230
5/6/21	5/6/21 22:00	37.7	19	8.1	230
5/6/21	5/6/21 23:00	1.6	19	8.1	220
5/7/21	5/7/21 0:00	1	18	8.1	240
5/7/21	5/7/21 1:00	0.8	17	8.1	300
5/7/21	5/7/21 2:00	0.7	16	9.2	350
5/7/21	5/7/21 3:00	0.7	16	4.6	60
5/7/21	5/7/21 4:00	0.6	15	4.6	90
5/7/21	5/7/21 5:00	0.6	15	8.1	40
5/7/21	5/7/21 6:00	0.7	15	6.9	20
5/7/21	5/7/21 7:00	1	16	4.6	50
5/7/21	5/7/21 8:00	2	16	6.9	40
5/7/21	5/7/21 9:00	1.1	17	5.8	60
5/7/21	5/7/21 10:00	0.6	17	5.8	60
5/7/21	5/7/21 11:00	1	18	5.8	50
5/7/21	5/7/21 12:00	0.9	18	6.9	30
5/7/21	5/7/21 13:00	0.6	18	5.8	360
5/7/21	5/7/21 14:00	0.6	19	8.1	360
5/7/21	5/7/21 15:00	0.6	19	8.1	350
5/7/21	5/7/21 16:00	0.5	20	5.8	10
5/7/21	5/7/21 17:00	0.5	20	8.1	30
5/7/21	5/7/21 18:00	0.5	20	5.8	100
5/7/21	5/7/21 19:00	0.5	19	4.6	80
5/7/21	5/7/21 20:00	0.5	18	5.8	120
5/7/21	5/7/21 21:00	0.5	17	0	0
5/7/21	5/7/21 22:00	0.5	16	4.6	130
5/7/21	5/7/21 23:00	1.8	16	3.5	110
5/8/21	5/8/21 0:00	1.6	16	5.8	170
5/8/21	5/8/21 1:00	0.7	16	0	0
5/8/21	5/8/21 2:00	Calib	17	4.6	290
5/8/21	5/8/21 3:00	Calib	17	4.6	290
5/8/21	5/8/21 4:00	0.8	17	3.5	290
5/8/21	5/8/21 5:00	1.2	17	4.6	330
5/8/21	5/8/21 6:00	1.5	17	0	0
5/8/21	5/8/21 7:00	0.9	18	3.5	350

SO2SO2

Max HourPPB / Day

SO2Max hour PPB / Day |Shelter temp in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/8/21	5/8/21 8:00	2.6	20	0	0
5/8/21	5/8/21 9:00	5.4	22	6.9	320
5/8/21	5/8/21 10:00	75	24	6.9	320
5/8/21	5/8/21 11:00	46.7	25	5.8	290
5/8/21	5/8/21 12:00	46.9	25	13.8	280
5/8/21	5/8/21 13:00	20.7	24	15	230
5/8/21	5/8/21 14:00	19.9	24	17.3	230
5/8/21	5/8/21 15:00	17.3	24	19.6	240
5/8/21	5/8/21 16:00	28.4	22	20.7	250
5/8/21	5/8/21 17:00	34.3	21	23	230
5/8/21	5/8/21 18:00	32.1	20	21.9	230
5/8/21	5/8/21 19:00	24.3	19	18.4	230
5/8/21	5/8/21 20:00	20.9	18	17.3	240
5/8/21	5/8/21 21:00	21	17	12.7	240
5/8/21	5/8/21 22:00	21.8	17	13.8	230
5/8/21	5/8/21 23:00	22.3	17	12.7	230
5/9/21	5/9/21 0:00	30.9	17	11.5	230
5/9/21	5/9/21 1:00	49.8	17	15	230
5/9/21	5/9/21 2:00	51.3	17	8.1	210
5/9/21	5/9/21 3:00	9.1	17	5.8	230
5/9/21	5/9/21 4:00	51.8	17	9.2	230
5/9/21	5/9/21 5:00	207.2	17	6.9	200
5/9/21	5/9/21 6:00	128.8	19	6.9	200
5/9/21	5/9/21 7:00	88.8	21	8.1	190
5/9/21	5/9/21 8:00	50.5	21	6.9	180
5/9/21	5/9/21 9:00	37.1	21	8.1	220
5/9/21	5/9/21 10:00	9.6	23	6.9	-1
5/9/21	5/9/21 11:00	1.6	24	5.8	250
5/9/21	5/9/21 12:00	4	24	0	0
5/9/21	5/9/21 13:00	1	23	0	0
5/9/21	5/9/21 14:00	37.6	22	0	0
5/9/21	5/9/21 15:00	78.9	19	3.5	100
5/9/21	5/9/21 16:00	3.6	19	11.5	190
5/9/21	5/9/21 17:00	2.3	19	0	0
5/9/21	5/9/21 18:00	1.7	18	4.6	110
5/9/21	5/9/21 19:00	1.5	18	6.9	60
5/9/21	5/9/21 20:00	1.3	17	4.6	50
5/9/21	5/9/21 21:00	1.1	17	5.8	20
5/9/21	5/9/21 22:00	1.1	17	5.8	100
5/9/21	5/9/21 23:00	1.1	17	3.5	140
5/10/21	5/10/21 0:00	1	17	3.5	290
5/10/21	5/10/21 1:00	1	17	5.8	340
5/10/21	5/10/21 2:00	3	17	3.5	330
5/10/21	5/10/21 3:00	1.6	17	0	0
5/10/21	5/10/21 4:00	1.2	17	3.5	230
5/10/21	5/10/21 5:00	1	16	5.8	240
5/10/21	5/10/21 6:00	3.2	18	5.8	250
5/10/21	5/10/21 7:00	50	20	4.6	260
5/10/21	5/10/21 8:00	87.7	22	5.8	260
5/10/21	5/10/21 9:00	65.4	22	6.9	250
5/10/21	5/10/21 10:00	69.9	23	11.5	260
5/10/21	5/10/21 11:00	78.3	24	13.8	240
5/10/21	5/10/21 12:00	61	25	15	240
5/10/21	5/10/21 13:00	40.6	25	12.7	230
5/10/21	5/10/21 14:00	29.9	25	16.1	250
5/10/21	5/10/21 15:00	22.6	25	15	240
5/10/21	5/10/21 16:00	20.2	25	17.3	250
5/10/21	5/10/21 17:00	25.7	23	17.3	240
5/10/21	5/10/21 18:00	19.8	21	19.6	230
5/10/21	5/10/21 19:00	10.6	19	18.4	240
5/10/21	5/10/21 20:00	7.4	19	16.1	240
5/10/21	5/10/21 21:00	8.6	19	12.7	250
5/10/21	5/10/21 22:00	1.5	18	8.1	250

SO2SO2

Max HourPPB / Day

SO2Max hour PPB / Day |Shelter temp in range |

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Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/10/21	5/10/21 23:00	1.3	18	10.4	260
5/11/21	5/11/21 0:00	1.3	17	8.1	280
5/11/21	5/11/21 1:00	1	17	6.9	290
5/11/21	5/11/21 2:00	Calib	16	9.2	290
5/11/21	5/11/21 3:00	Calib	17	4.6	280
5/11/21	5/11/21 4:00	13	17	6.9	270
5/11/21	5/11/21 5:00	7.6	16	6.9	200
5/11/21	5/11/21 6:00	6	18	4.6	210
5/11/21	5/11/21 7:00	9.7	19	7.5	260
5/11/21	5/11/21 8:00	9.9	20	10.4	250
5/11/21	5/11/21 9:00	19.1	20	9.3	270
5/11/21	5/11/21 10:00	33.9	22	8.1	250
5/11/21	5/11/21 11:00	17.9	22	15	260
5/11/21	5/11/21 12:00	39.1	22	16.1	230
5/11/21	5/11/21 13:00	34.3	21	18.4	250
5/11/21	5/11/21 14:00	18.6	21	19.6	240
5/11/21	5/11/21 15:00	24.9	19	20.7	240
5/11/21	5/11/21 16:00	18	19	15	230
5/11/21	5/11/21 17:00	1	20	10.4	230
5/11/21	5/11/21 18:00	0.8	20	15	300
5/11/21	5/11/21 19:00	0.8	19	16.1	300
5/11/21	5/11/21 20:00	0.9	19	13.8	280
5/11/21	5/11/21 21:00	1.3	18	9.2	260
5/11/21	5/11/21 22:00	1.2	17	10.4	280
5/11/21	5/11/21 23:00	2.1	17	9.2	280
5/12/21	5/12/21 0:00	1.1	17	10.4	290
5/12/21	5/12/21 1:00	3.3	16	9.2	270
5/12/21	5/12/21 2:00	12.7	16	8.1	280
5/12/21	5/12/21 3:00	20.5	16	8.1	240
5/12/21	5/12/21 4:00	23.9	16	9.2	240
5/12/21	5/12/21 5:00	26.1	16	8.1	260
5/12/21	5/12/21 6:00	20.4	18	5.8	270
5/12/21	5/12/21 7:00	31.1	21	8.1	240
5/12/21	5/12/21 8:00	81.6	22	9.2	260
5/12/21	5/12/21 9:00	87.2	24	5.8	280
5/12/21	5/12/21 10:00	86.8	24	10.4	270
5/12/21	5/12/21 11:00	80.2	25	6.9	310
5/12/21	5/12/21 12:00	89.9	26	12.7	240
5/12/21	5/12/21 13:00	30.3	26	15	210
5/12/21	5/12/21 14:00	26.8	25	13.8	230
5/12/21	5/12/21 15:00	19.1	25	10.4	240
5/12/21	5/12/21 16:00	22.4	25	15	220
5/12/21	5/12/21 17:00	13.3	26	15	210
5/12/21	5/12/21 18:00	85.3	25	15	230
5/12/21	5/12/21 19:00	281.7	23	12.7	230
5/12/21	5/12/21 20:00	161	20	11.5	240
5/12/21	5/12/21 21:00	290	20	8.1	220
5/12/21	5/12/21 22:00	111.2	19	8.1	220
5/12/21	5/12/21 23:00	141.5	19	8.1	210
5/13/21	5/13/21 0:00	73.2	18	6.9	220
5/13/21	5/13/21 1:00	21	17	4.6	190
5/13/21	5/13/21 2:00	26	17	5.8	210
5/13/21	5/13/21 3:00	30.8	16	4.6	200
5/13/21	5/13/21 4:00	10.4	16	5.2 -	
5/13/21	5/13/21 5:00	131.5	17	5.8	200
5/13/21	5/13/21 6:00	99.5	19	5.8	200
5/13/21	5/13/21 7:00			6.9	210
5/13/21	5/13/21 8:00			8.1	220
5/13/21	5/13/21 9:00			#N/A	#N/A

Date

SO2

SO2

Max hour PPB / Day |Shelter temp in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/13/21	5/13/21 10:00			#N/A	#N/A
5/13/21	5/13/21 11:00			#N/A	#N/A
5/13/21	5/13/21 12:00			#N/A	#N/A
5/13/21	5/13/21 13:00			#N/A	#N/A
5/13/21	5/13/21 14:00			#N/A	#N/A
5/13/21	5/13/21 15:00			#N/A	#N/A
5/13/21	5/13/21 16:00			#N/A	#N/A
5/13/21	5/13/21 17:00			#N/A	#N/A
5/13/21	5/13/21 18:00			#N/A	#N/A
5/13/21	5/13/21 19:00			#N/A	#N/A
5/13/21	5/13/21 20:00			#N/A	#N/A
5/13/21	5/13/21 21:00			#N/A	#N/A
5/13/21	5/13/21 22:00			#N/A	#N/A
5/13/21	5/13/21 23:00			#N/A	#N/A
5/14/21	5/14/21 0:00			#N/A	#N/A
5/14/21	5/14/21 1:00			#N/A	#N/A
5/14/21	5/14/21 2:00			#N/A	#N/A
5/14/21	5/14/21 3:00			#N/A	#N/A
5/14/21	5/14/21 4:00			#N/A	#N/A
5/14/21	5/14/21 5:00			#N/A	#N/A
5/14/21	5/14/21 6:00			#N/A	#N/A
5/14/21	5/14/21 7:00			#N/A	#N/A
5/14/21	5/14/21 8:00			#N/A	#N/A
5/14/21	5/14/21 9:00			#N/A	#N/A
5/14/21	5/14/21 10:00			#N/A	#N/A
5/14/21	5/14/21 11:00			#N/A	#N/A
5/14/21	5/14/21 12:00			#N/A	#N/A
5/14/21	5/14/21 13:00			#N/A	#N/A
5/14/21	5/14/21 14:00			#N/A	#N/A
5/14/21	5/14/21 15:00			#N/A	#N/A
5/14/21	5/14/21 16:00			#N/A	#N/A
5/14/21	5/14/21 17:00			#N/A	#N/A
5/14/21	5/14/21 18:00			#N/A	#N/A
5/14/21	5/14/21 19:00			#N/A	#N/A
5/14/21	5/14/21 20:00			#N/A	#N/A
5/14/21	5/14/21 21:00			#N/A	#N/A
5/14/21	5/14/21 22:00			#N/A	#N/A
5/14/21	5/14/21 23:00			#N/A	#N/A
5/15/21	5/15/21 0:00			#N/A	#N/A
5/15/21	5/15/21 1:00			#N/A	#N/A
5/15/21	5/15/21 2:00			#N/A	#N/A
5/15/21	5/15/21 3:00			#N/A	#N/A
5/15/21	5/15/21 4:00			#N/A	#N/A
5/15/21	5/15/21 5:00			#N/A	#N/A
5/15/21	5/15/21 6:00			#N/A	#N/A
5/15/21	5/15/21 7:00			#N/A	#N/A
5/15/21	5/15/21 8:00			#N/A	#N/A
5/15/21	5/15/21 9:00			#N/A	#N/A
5/15/21	5/15/21 10:00			#N/A	#N/A
5/15/21	5/15/21 11:00			#N/A	#N/A
5/15/21	5/15/21 12:00			#N/A	#N/A
5/15/21	5/15/21 13:00			#N/A	#N/A
5/15/21	5/15/21 14:00			#N/A	#N/A
5/15/21	5/15/21 15:00			#N/A	#N/A
5/15/21	5/15/21 16:00			#N/A	#N/A
5/15/21	5/15/21 17:00			#N/A	#N/A
5/15/21	5/15/21 18:00			#N/A	#N/A
5/15/21	5/15/21 19:00			#N/A	#N/A
5/15/21	5/15/21 20:00			#N/A	#N/A
5/15/21	5/15/21 21:00			#N/A	#N/A
5/15/21	5/15/21 22:00			#N/A	#N/A
5/15/21	5/15/21 23:00			#N/A	#N/A
5/16/21	5/16/21 0:00			#N/A	#N/A

Date

SO2

SO2

Max Hour

PPB / Day

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/16/21	5/16/21 1:00			#N/A	#N/A
5/16/21	5/16/21 2:00			#N/A	#N/A
5/16/21	5/16/21 3:00			#N/A	#N/A
5/16/21	5/16/21 4:00			#N/A	#N/A
5/16/21	5/16/21 5:00			#N/A	#N/A
5/16/21	5/16/21 6:00			#N/A	#N/A
5/16/21	5/16/21 7:00			#N/A	#N/A
5/16/21	5/16/21 8:00			#N/A	#N/A
5/16/21	5/16/21 9:00			#N/A	#N/A
5/16/21	5/16/21 10:00			#N/A	#N/A
5/16/21	5/16/21 11:00			#N/A	#N/A
5/16/21	5/16/21 12:00			#N/A	#N/A
5/16/21	5/16/21 13:00			#N/A	#N/A
5/16/21	5/16/21 14:00			#N/A	#N/A
5/16/21	5/16/21 15:00			#N/A	#N/A
5/16/21	5/16/21 16:00			#N/A	#N/A
5/16/21	5/16/21 17:00			#N/A	#N/A
5/16/21	5/16/21 18:00			#N/A	#N/A
5/16/21	5/16/21 19:00			#N/A	#N/A
5/16/21	5/16/21 20:00			#N/A	#N/A
5/16/21	5/16/21 21:00			#N/A	#N/A
5/16/21	5/16/21 22:00			#N/A	#N/A
5/16/21	5/16/21 23:00			#N/A	#N/A
5/17/21	5/17/21 0:00			#N/A	#N/A
5/17/21	5/17/21 1:00			#N/A	#N/A
5/17/21	5/17/21 2:00			#N/A	#N/A
5/17/21	5/17/21 3:00			#N/A	#N/A
5/17/21	5/17/21 4:00			#N/A	#N/A
5/17/21	5/17/21 5:00			#N/A	#N/A
5/17/21	5/17/21 6:00			#N/A	#N/A
5/17/21	5/17/21 7:00			#N/A	#N/A
5/17/21	5/17/21 8:00			#N/A	#N/A
5/17/21	5/17/21 9:00			#N/A	#N/A
5/17/21	5/17/21 10:00			#N/A	#N/A
5/17/21	5/17/21 11:00			#N/A	#N/A
5/17/21	5/17/21 12:00			#N/A	#N/A
5/17/21	5/17/21 13:00			#N/A	#N/A
5/17/21	5/17/21 14:00			#N/A	#N/A
5/17/21	5/17/21 15:00			#N/A	#N/A
5/17/21	5/17/21 16:00			#N/A	#N/A
5/17/21	5/17/21 17:00			#N/A	#N/A
5/17/21	5/17/21 18:00			#N/A	#N/A
5/17/21	5/17/21 19:00			#N/A	#N/A
5/17/21	5/17/21 20:00			#N/A	#N/A
5/17/21	5/17/21 21:00			#N/A	#N/A
5/17/21	5/17/21 22:00			#N/A	#N/A
5/17/21	5/17/21 23:00			#N/A	#N/A
5/18/21	5/18/21 0:00			#N/A	#N/A
5/18/21	5/18/21 1:00			#N/A	#N/A
5/18/21	5/18/21 2:00			#N/A	#N/A
5/18/21	5/18/21 3:00			#N/A	#N/A
5/18/21	5/18/21 4:00			#N/A	#N/A
5/18/21	5/18/21 5:00			#N/A	#N/A
5/18/21	5/18/21 6:00			#N/A	#N/A
5/18/21	5/18/21 7:00			#N/A	#N/A
5/18/21	5/18/21 8:00			#N/A	#N/A
5/18/21	5/18/21 9:00			#N/A	#N/A
5/18/21	5/18/21 10:00			#N/A	#N/A
5/18/21	5/18/21 11:00			#N/A	#N/A
5/18/21	5/18/21 12:00			#N/A	#N/A
5/18/21	5/18/21 13:00			#N/A	#N/A
5/18/21	5/18/21 14:00			#N/A	#N/A
5/18/21	5/18/21 15:00			#N/A	#N/A

Date

SO2

SO2

Max Hour

PPB / Day

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/18/21	5/18/21 16:00			#N/A	#N/A
5/18/21	5/18/21 17:00			#N/A	#N/A
5/18/21	5/18/21 18:00			#N/A	#N/A
5/18/21	5/18/21 19:00			#N/A	#N/A
5/18/21	5/18/21 20:00			#N/A	#N/A
5/18/21	5/18/21 21:00			#N/A	#N/A
5/18/21	5/18/21 22:00			#N/A	#N/A
5/18/21	5/18/21 23:00			#N/A	#N/A
5/19/21	5/19/21 0:00			#N/A	#N/A
5/19/21	5/19/21 1:00			#N/A	#N/A
5/19/21	5/19/21 2:00			#N/A	#N/A
5/19/21	5/19/21 3:00			#N/A	#N/A
5/19/21	5/19/21 4:00			#N/A	#N/A
5/19/21	5/19/21 5:00			#N/A	#N/A
5/19/21	5/19/21 6:00			#N/A	#N/A
5/19/21	5/19/21 7:00			#N/A	#N/A
5/19/21	5/19/21 8:00			#N/A	#N/A
5/19/21	5/19/21 9:00			#N/A	#N/A
5/19/21	5/19/21 10:00			#N/A	#N/A
5/19/21	5/19/21 11:00			#N/A	#N/A
5/19/21	5/19/21 12:00			#N/A	#N/A
5/19/21	5/19/21 13:00			#N/A	#N/A
5/19/21	5/19/21 14:00			#N/A	#N/A
5/19/21	5/19/21 15:00			#N/A	#N/A
5/19/21	5/19/21 16:00			#N/A	#N/A
5/19/21	5/19/21 17:00			#N/A	#N/A
5/19/21	5/19/21 18:00			#N/A	#N/A
5/19/21	5/19/21 19:00			#N/A	#N/A
5/19/21	5/19/21 20:00			#N/A	#N/A
5/19/21	5/19/21 21:00			#N/A	#N/A
5/19/21	5/19/21 22:00			#N/A	#N/A
5/19/21	5/19/21 23:00			#N/A	#N/A
5/20/21	5/20/21 0:00			#N/A	#N/A
5/20/21	5/20/21 1:00			#N/A	#N/A
5/20/21	5/20/21 2:00			#N/A	#N/A
5/20/21	5/20/21 3:00			#N/A	#N/A
5/20/21	5/20/21 4:00			#N/A	#N/A
5/20/21	5/20/21 5:00			#N/A	#N/A
5/20/21	5/20/21 6:00			#N/A	#N/A
5/20/21	5/20/21 7:00			#N/A	#N/A
5/20/21	5/20/21 8:00			#N/A	#N/A
5/20/21	5/20/21 9:00			#N/A	#N/A
5/20/21	5/20/21 10:00			#N/A	#N/A
5/20/21	5/20/21 11:00			#N/A	#N/A
5/20/21	5/20/21 12:00			#N/A	#N/A
5/20/21	5/20/21 13:00			#N/A	#N/A
5/20/21	5/20/21 14:00			#N/A	#N/A
5/20/21	5/20/21 15:00			#N/A	#N/A
5/20/21	5/20/21 16:00			#N/A	#N/A
5/20/21	5/20/21 17:00			#N/A	#N/A
5/20/21	5/20/21 18:00			#N/A	#N/A
5/20/21	5/20/21 19:00			#N/A	#N/A
5/20/21	5/20/21 20:00			#N/A	#N/A
5/20/21	5/20/21 21:00			#N/A	#N/A
5/20/21	5/20/21 22:00			#N/A	#N/A
5/20/21	5/20/21 23:00			#N/A	#N/A
5/21/21	5/21/21 0:00			#N/A	#N/A
5/21/21	5/21/21 1:00			#N/A	#N/A
5/21/21	5/21/21 2:00			#N/A	#N/A
5/21/21	5/21/21 3:00			#N/A	#N/A
5/21/21	5/21/21 4:00			#N/A	#N/A
5/21/21	5/21/21 5:00			#N/A	#N/A
5/21/21	5/21/21 6:00			#N/A	#N/A

Date

SO2

SO2

Max Hour

PPB / Day

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/21/21	5/21/21 7:00			#N/A	#N/A
5/21/21	5/21/21 8:00			#N/A	#N/A
5/21/21	5/21/21 9:00			#N/A	#N/A
5/21/21	5/21/21 10:00			#N/A	#N/A
5/21/21	5/21/21 11:00			#N/A	#N/A
5/21/21	5/21/21 12:00			#N/A	#N/A
5/21/21	5/21/21 13:00			#N/A	#N/A
5/21/21	5/21/21 14:00			#N/A	#N/A
5/21/21	5/21/21 15:00			#N/A	#N/A
5/21/21	5/21/21 16:00			#N/A	#N/A
5/21/21	5/21/21 17:00			#N/A	#N/A
5/21/21	5/21/21 18:00			#N/A	#N/A
5/21/21	5/21/21 19:00			#N/A	#N/A
5/21/21	5/21/21 20:00			#N/A	#N/A
5/21/21	5/21/21 21:00			#N/A	#N/A
5/21/21	5/21/21 22:00			#N/A	#N/A
5/21/21	5/21/21 23:00			#N/A	#N/A
5/22/21	5/22/21 0:00			#N/A	#N/A
5/22/21	5/22/21 1:00			#N/A	#N/A
5/22/21	5/22/21 2:00			#N/A	#N/A
5/22/21	5/22/21 3:00			#N/A	#N/A
5/22/21	5/22/21 4:00			#N/A	#N/A
5/22/21	5/22/21 5:00			#N/A	#N/A
5/22/21	5/22/21 6:00			#N/A	#N/A
5/22/21	5/22/21 7:00			#N/A	#N/A
5/22/21	5/22/21 8:00			#N/A	#N/A
5/22/21	5/22/21 9:00			#N/A	#N/A
5/22/21	5/22/21 10:00			#N/A	#N/A
5/22/21	5/22/21 11:00			#N/A	#N/A
5/22/21	5/22/21 12:00			#N/A	#N/A
5/22/21	5/22/21 13:00			#N/A	#N/A
5/22/21	5/22/21 14:00			#N/A	#N/A
5/22/21	5/22/21 15:00			#N/A	#N/A
5/22/21	5/22/21 16:00			#N/A	#N/A
5/22/21	5/22/21 17:00			#N/A	#N/A
5/22/21	5/22/21 18:00			#N/A	#N/A
5/22/21	5/22/21 19:00			#N/A	#N/A
5/22/21	5/22/21 20:00			#N/A	#N/A
5/22/21	5/22/21 21:00			#N/A	#N/A
5/22/21	5/22/21 22:00			#N/A	#N/A
5/22/21	5/22/21 23:00			#N/A	#N/A
5/23/21	5/23/21 0:00			#N/A	#N/A
5/23/21	5/23/21 1:00			#N/A	#N/A
5/23/21	5/23/21 2:00			#N/A	#N/A
5/23/21	5/23/21 3:00			#N/A	#N/A
5/23/21	5/23/21 4:00			#N/A	#N/A
5/23/21	5/23/21 5:00			#N/A	#N/A
5/23/21	5/23/21 6:00			#N/A	#N/A
5/23/21	5/23/21 7:00			#N/A	#N/A
5/23/21	5/23/21 8:00			#N/A	#N/A
5/23/21	5/23/21 9:00			#N/A	#N/A
5/23/21	5/23/21 10:00			#N/A	#N/A
5/23/21	5/23/21 11:00			#N/A	#N/A
5/23/21	5/23/21 12:00			#N/A	#N/A
5/23/21	5/23/21 13:00			#N/A	#N/A
5/23/21	5/23/21 14:00			#N/A	#N/A
5/23/21	5/23/21 15:00			#N/A	#N/A
5/23/21	5/23/21 16:00			#N/A	#N/A
5/23/21	5/23/21 17:00			#N/A	#N/A
5/23/21	5/23/21 18:00			#N/A	#N/A
5/23/21	5/23/21 19:00			#N/A	#N/A
5/23/21	5/23/21 20:00			#N/A	#N/A
5/23/21	5/23/21 21:00			#N/A	#N/A

Date

SO2

SO2

Max Hour

PPB / Day

SO2

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/23/21	5/23/21 22:00			#N/A	#N/A
5/23/21	5/23/21 23:00			#N/A	#N/A
5/24/21	5/24/21 0:00			#N/A	#N/A
5/24/21	5/24/21 1:00			#N/A	#N/A
5/24/21	5/24/21 2:00			#N/A	#N/A
5/24/21	5/24/21 3:00			#N/A	#N/A
5/24/21	5/24/21 4:00			#N/A	#N/A
5/24/21	5/24/21 5:00			#N/A	#N/A
5/24/21	5/24/21 6:00			#N/A	#N/A
5/24/21	5/24/21 7:00			#N/A	#N/A
5/24/21	5/24/21 8:00			#N/A	#N/A
5/24/21	5/24/21 9:00			#N/A	#N/A
5/24/21	5/24/21 10:00			#N/A	#N/A
5/24/21	5/24/21 11:00			#N/A	#N/A
5/24/21	5/24/21 12:00			#N/A	#N/A
5/24/21	5/24/21 13:00			#N/A	#N/A
5/24/21	5/24/21 14:00			#N/A	#N/A
5/24/21	5/24/21 15:00			#N/A	#N/A
5/24/21	5/24/21 16:00			#N/A	#N/A
5/24/21	5/24/21 17:00			#N/A	#N/A
5/24/21	5/24/21 18:00			#N/A	#N/A
5/24/21	5/24/21 19:00			#N/A	#N/A
5/24/21	5/24/21 20:00			#N/A	#N/A
5/24/21	5/24/21 21:00			#N/A	#N/A
5/24/21	5/24/21 22:00			#N/A	#N/A
5/24/21	5/24/21 23:00			#N/A	#N/A
5/25/21	5/25/21 0:00			#N/A	#N/A
5/25/21	5/25/21 1:00			#N/A	#N/A
5/25/21	5/25/21 2:00			#N/A	#N/A
5/25/21	5/25/21 3:00			#N/A	#N/A
5/25/21	5/25/21 4:00			#N/A	#N/A
5/25/21	5/25/21 5:00			#N/A	#N/A
5/25/21	5/25/21 6:00			#N/A	#N/A
5/25/21	5/25/21 7:00			#N/A	#N/A
5/25/21	5/25/21 8:00			#N/A	#N/A
5/25/21	5/25/21 9:00			#N/A	#N/A
5/25/21	5/25/21 10:00			#N/A	#N/A
5/25/21	5/25/21 11:00			#N/A	#N/A
5/25/21	5/25/21 12:00			#N/A	#N/A
5/25/21	5/25/21 13:00			#N/A	#N/A
5/25/21	5/25/21 14:00			#N/A	#N/A
5/25/21	5/25/21 15:00			#N/A	#N/A
5/25/21	5/25/21 16:00			#N/A	#N/A
5/25/21	5/25/21 17:00			#N/A	#N/A
5/25/21	5/25/21 18:00			#N/A	#N/A
5/25/21	5/25/21 19:00			#N/A	#N/A
5/25/21	5/25/21 20:00			#N/A	#N/A
5/25/21	5/25/21 21:00			#N/A	#N/A
5/25/21	5/25/21 22:00			#N/A	#N/A
5/25/21	5/25/21 23:00			#N/A	#N/A
5/26/21	5/26/21 0:00			#N/A	#N/A
5/26/21	5/26/21 1:00			#N/A	#N/A
5/26/21	5/26/21 2:00			#N/A	#N/A
5/26/21	5/26/21 3:00			#N/A	#N/A
5/26/21	5/26/21 4:00			#N/A	#N/A
5/26/21	5/26/21 5:00			#N/A	#N/A
5/26/21	5/26/21 6:00			#N/A	#N/A
5/26/21	5/26/21 7:00			#N/A	#N/A
5/26/21	5/26/21 8:00			#N/A	#N/A
5/26/21	5/26/21 9:00			#N/A	#N/A
5/26/21	5/26/21 10:00			#N/A	#N/A
5/26/21	5/26/21 11:00			#N/A	#N/A
5/26/21	5/26/21 12:00			#N/A	#N/A

Date

SO2

Max Hour
PPB / Day

SO2

Max hour PPB /
Day |Shelter temp
in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/26/21	5/26/21 13:00			#N/A	#N/A
5/26/21	5/26/21 14:00			#N/A	#N/A
5/26/21	5/26/21 15:00			#N/A	#N/A
5/26/21	5/26/21 16:00			#N/A	#N/A
5/26/21	5/26/21 17:00			#N/A	#N/A
5/26/21	5/26/21 18:00			#N/A	#N/A
5/26/21	5/26/21 19:00			#N/A	#N/A
5/26/21	5/26/21 20:00			#N/A	#N/A
5/26/21	5/26/21 21:00			#N/A	#N/A
5/26/21	5/26/21 22:00			#N/A	#N/A
5/26/21	5/26/21 23:00			#N/A	#N/A
5/27/21	5/27/21 0:00			#N/A	#N/A
5/27/21	5/27/21 1:00			#N/A	#N/A
5/27/21	5/27/21 2:00			#N/A	#N/A
5/27/21	5/27/21 3:00			#N/A	#N/A
5/27/21	5/27/21 4:00			#N/A	#N/A
5/27/21	5/27/21 5:00			#N/A	#N/A
5/27/21	5/27/21 6:00			#N/A	#N/A
5/27/21	5/27/21 7:00			#N/A	#N/A
5/27/21	5/27/21 8:00			#N/A	#N/A
5/27/21	5/27/21 9:00			#N/A	#N/A
5/27/21	5/27/21 10:00			#N/A	#N/A
5/27/21	5/27/21 11:00			#N/A	#N/A
5/27/21	5/27/21 12:00			#N/A	#N/A
5/27/21	5/27/21 13:00			#N/A	#N/A
5/27/21	5/27/21 14:00			#N/A	#N/A
5/27/21	5/27/21 15:00			#N/A	#N/A
5/27/21	5/27/21 16:00			#N/A	#N/A
5/27/21	5/27/21 17:00			#N/A	#N/A
5/27/21	5/27/21 18:00			#N/A	#N/A
5/27/21	5/27/21 19:00			#N/A	#N/A
5/27/21	5/27/21 20:00			#N/A	#N/A
5/27/21	5/27/21 21:00			#N/A	#N/A
5/27/21	5/27/21 22:00			#N/A	#N/A
5/27/21	5/27/21 23:00			#N/A	#N/A
5/28/21	5/28/21 0:00			#N/A	#N/A
5/28/21	5/28/21 1:00			#N/A	#N/A
5/28/21	5/28/21 2:00			#N/A	#N/A
5/28/21	5/28/21 3:00			#N/A	#N/A
5/28/21	5/28/21 4:00			#N/A	#N/A
5/28/21	5/28/21 5:00			#N/A	#N/A
5/28/21	5/28/21 6:00			#N/A	#N/A
5/28/21	5/28/21 7:00			#N/A	#N/A
5/28/21	5/28/21 8:00			#N/A	#N/A
5/28/21	5/28/21 9:00			#N/A	#N/A
5/28/21	5/28/21 10:00			#N/A	#N/A
5/28/21	5/28/21 11:00			#N/A	#N/A
5/28/21	5/28/21 12:00			#N/A	#N/A
5/28/21	5/28/21 13:00			#N/A	#N/A
5/28/21	5/28/21 14:00			#N/A	#N/A
5/28/21	5/28/21 15:00			#N/A	#N/A
5/28/21	5/28/21 16:00			#N/A	#N/A
5/28/21	5/28/21 17:00			#N/A	#N/A
5/28/21	5/28/21 18:00			#N/A	#N/A
5/28/21	5/28/21 19:00			#N/A	#N/A
5/28/21	5/28/21 20:00			#N/A	#N/A
5/28/21	5/28/21 21:00			#N/A	#N/A
5/28/21	5/28/21 22:00			#N/A	#N/A
5/28/21	5/28/21 23:00			#N/A	#N/A
5/29/21	5/29/21 0:00			#N/A	#N/A
5/29/21	5/29/21 1:00			#N/A	#N/A
5/29/21	5/29/21 2:00			#N/A	#N/A
5/29/21	5/29/21 3:00			#N/A	#N/A

Date

SO2
Max Hour
PPB / Day

SO2
Max hour PPB /
Day |Shelter temp
in range |

|I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t|Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/29/21	5/29/21 4:00			#N/A	#N/A
5/29/21	5/29/21 5:00			#N/A	#N/A
5/29/21	5/29/21 6:00			#N/A	#N/A
5/29/21	5/29/21 7:00			#N/A	#N/A
5/29/21	5/29/21 8:00			#N/A	#N/A
5/29/21	5/29/21 9:00			#N/A	#N/A
5/29/21	5/29/21 10:00			#N/A	#N/A
5/29/21	5/29/21 11:00			#N/A	#N/A
5/29/21	5/29/21 12:00			#N/A	#N/A
5/29/21	5/29/21 13:00			#N/A	#N/A
5/29/21	5/29/21 14:00			#N/A	#N/A
5/29/21	5/29/21 15:00			#N/A	#N/A
5/29/21	5/29/21 16:00			#N/A	#N/A
5/29/21	5/29/21 17:00			#N/A	#N/A
5/29/21	5/29/21 18:00			#N/A	#N/A
5/29/21	5/29/21 19:00			#N/A	#N/A
5/29/21	5/29/21 20:00			#N/A	#N/A
5/29/21	5/29/21 21:00			#N/A	#N/A
5/29/21	5/29/21 22:00			#N/A	#N/A
5/29/21	5/29/21 23:00			#N/A	#N/A
5/30/21	5/30/21 0:00			#N/A	#N/A
5/30/21	5/30/21 1:00			#N/A	#N/A
5/30/21	5/30/21 2:00			#N/A	#N/A
5/30/21	5/30/21 3:00			#N/A	#N/A
5/30/21	5/30/21 4:00			#N/A	#N/A
5/30/21	5/30/21 5:00			#N/A	#N/A
5/30/21	5/30/21 6:00			#N/A	#N/A
5/30/21	5/30/21 7:00			#N/A	#N/A
5/30/21	5/30/21 8:00			#N/A	#N/A
5/30/21	5/30/21 9:00			#N/A	#N/A
5/30/21	5/30/21 10:00			#N/A	#N/A
5/30/21	5/30/21 11:00			#N/A	#N/A
5/30/21	5/30/21 12:00			#N/A	#N/A
5/30/21	5/30/21 13:00			#N/A	#N/A
5/30/21	5/30/21 14:00			#N/A	#N/A
5/30/21	5/30/21 15:00			#N/A	#N/A
5/30/21	5/30/21 16:00			#N/A	#N/A
5/30/21	5/30/21 17:00			#N/A	#N/A
5/30/21	5/30/21 18:00			#N/A	#N/A
5/30/21	5/30/21 19:00			#N/A	#N/A
5/30/21	5/30/21 20:00			#N/A	#N/A
5/30/21	5/30/21 21:00			#N/A	#N/A
5/30/21	5/30/21 22:00			#N/A	#N/A
5/30/21	5/30/21 23:00			#N/A	#N/A
5/31/21	5/31/21 0:00			#N/A	#N/A
5/31/21	5/31/21 1:00			#N/A	#N/A
5/31/21	5/31/21 2:00			#N/A	#N/A
5/31/21	5/31/21 3:00			#N/A	#N/A
5/31/21	5/31/21 4:00			#N/A	#N/A
5/31/21	5/31/21 5:00			#N/A	#N/A
5/31/21	5/31/21 6:00			#N/A	#N/A
5/31/21	5/31/21 7:00			#N/A	#N/A
5/31/21	5/31/21 8:00			#N/A	#N/A
5/31/21	5/31/21 9:00			#N/A	#N/A
5/31/21	5/31/21 10:00			#N/A	#N/A
5/31/21	5/31/21 11:00			#N/A	#N/A
5/31/21	5/31/21 12:00			#N/A	#N/A
5/31/21	5/31/21 13:00			#N/A	#N/A
5/31/21	5/31/21 14:00			#N/A	#N/A
5/31/21	5/31/21 15:00			#N/A	#N/A
5/31/21	5/31/21 16:00			#N/A	#N/A
5/31/21	5/31/21 17:00			#N/A	#N/A
5/31/21	5/31/21 18:00			#N/A	#N/A

Date

SO2

SO2

Max Hour

PPB / Day

SO2

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
5/31/21	5/31/21 19:00			#N/A	#N/A
5/31/21	5/31/21 20:00			#N/A	#N/A
5/31/21	5/31/21 21:00			#N/A	#N/A
5/31/21	5/31/21 22:00			#N/A	#N/A
5/31/21	5/31/21 23:00			#N/A	#N/A
6/1/21	6/1/21 0:00			#N/A	#N/A
6/1/21	6/1/21 1:00			#N/A	#N/A
6/1/21	6/1/21 2:00			#N/A	#N/A
6/1/21	6/1/21 3:00			#N/A	#N/A
6/1/21	6/1/21 4:00			#N/A	#N/A
6/1/21	6/1/21 5:00			#N/A	#N/A
6/1/21	6/1/21 6:00			#N/A	#N/A
6/1/21	6/1/21 7:00			#N/A	#N/A
6/1/21	6/1/21 8:00			#N/A	#N/A
6/1/21	6/1/21 9:00			#N/A	#N/A
6/1/21	6/1/21 10:00			#N/A	#N/A
6/1/21	6/1/21 11:00			#N/A	#N/A
6/1/21	6/1/21 12:00			#N/A	#N/A
6/1/21	6/1/21 13:00			#N/A	#N/A
6/1/21	6/1/21 14:00			#N/A	#N/A
6/1/21	6/1/21 15:00			#N/A	#N/A
6/1/21	6/1/21 16:00			#N/A	#N/A
6/1/21	6/1/21 17:00			#N/A	#N/A
6/1/21	6/1/21 18:00			#N/A	#N/A
6/1/21	6/1/21 19:00			#N/A	#N/A
6/1/21	6/1/21 20:00			#N/A	#N/A
6/1/21	6/1/21 21:00			#N/A	#N/A
6/1/21	6/1/21 22:00			#N/A	#N/A
6/1/21	6/1/21 23:00			#N/A	#N/A
6/2/21	6/2/21 0:00			#N/A	#N/A
6/2/21	6/2/21 1:00			#N/A	#N/A
6/2/21	6/2/21 2:00			#N/A	#N/A
6/2/21	6/2/21 3:00			#N/A	#N/A
6/2/21	6/2/21 4:00			#N/A	#N/A
6/2/21	6/2/21 5:00			#N/A	#N/A
6/2/21	6/2/21 6:00			#N/A	#N/A
6/2/21	6/2/21 7:00			#N/A	#N/A
6/2/21	6/2/21 8:00			#N/A	#N/A
6/2/21	6/2/21 9:00			#N/A	#N/A
6/2/21	6/2/21 10:00			#N/A	#N/A
6/2/21	6/2/21 11:00			#N/A	#N/A
6/2/21	6/2/21 12:00			#N/A	#N/A
6/2/21	6/2/21 13:00			#N/A	#N/A
6/2/21	6/2/21 14:00			#N/A	#N/A
6/2/21	6/2/21 15:00			#N/A	#N/A
6/2/21	6/2/21 16:00			#N/A	#N/A
6/2/21	6/2/21 17:00			#N/A	#N/A
6/2/21	6/2/21 18:00			#N/A	#N/A
6/2/21	6/2/21 19:00			#N/A	#N/A
6/2/21	6/2/21 20:00			#N/A	#N/A
6/2/21	6/2/21 21:00			#N/A	#N/A
6/2/21	6/2/21 22:00			#N/A	#N/A
6/2/21	6/2/21 23:00			#N/A	#N/A
6/3/21	6/3/21 0:00			#N/A	#N/A
6/3/21	6/3/21 1:00			#N/A	#N/A
6/3/21	6/3/21 2:00			#N/A	#N/A
6/3/21	6/3/21 3:00			#N/A	#N/A
6/3/21	6/3/21 4:00			#N/A	#N/A
6/3/21	6/3/21 5:00			#N/A	#N/A
6/3/21	6/3/21 6:00			#N/A	#N/A
6/3/21	6/3/21 7:00			#N/A	#N/A
6/3/21	6/3/21 8:00			#N/A	#N/A
6/3/21	6/3/21 9:00			#N/A	#N/A

Date

SO2

SO2

Max Hour

PPB / Day

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
6/3/21	6/3/21 10:00			#N/A	#N/A
6/3/21	6/3/21 11:00			#N/A	#N/A
6/3/21	6/3/21 12:00			#N/A	#N/A
6/3/21	6/3/21 13:00			#N/A	#N/A
6/3/21	6/3/21 14:00			#N/A	#N/A
6/3/21	6/3/21 15:00			#N/A	#N/A
6/3/21	6/3/21 16:00			#N/A	#N/A
6/3/21	6/3/21 17:00			#N/A	#N/A
6/3/21	6/3/21 18:00			#N/A	#N/A
6/3/21	6/3/21 19:00			#N/A	#N/A
6/3/21	6/3/21 20:00			#N/A	#N/A
6/3/21	6/3/21 21:00			#N/A	#N/A
6/3/21	6/3/21 22:00			#N/A	#N/A
6/3/21	6/3/21 23:00			#N/A	#N/A
6/4/21	6/4/21 0:00			#N/A	#N/A
6/4/21	6/4/21 1:00			#N/A	#N/A
6/4/21	6/4/21 2:00			#N/A	#N/A
6/4/21	6/4/21 3:00			#N/A	#N/A
6/4/21	6/4/21 4:00			#N/A	#N/A
6/4/21	6/4/21 5:00			#N/A	#N/A
6/4/21	6/4/21 6:00			#N/A	#N/A
6/4/21	6/4/21 7:00			#N/A	#N/A
6/4/21	6/4/21 8:00			#N/A	#N/A
6/4/21	6/4/21 9:00			#N/A	#N/A
6/4/21	6/4/21 10:00			#N/A	#N/A
6/4/21	6/4/21 11:00			#N/A	#N/A
6/4/21	6/4/21 12:00			#N/A	#N/A
6/4/21	6/4/21 13:00			#N/A	#N/A
6/4/21	6/4/21 14:00			#N/A	#N/A
6/4/21	6/4/21 15:00			#N/A	#N/A
6/4/21	6/4/21 16:00			#N/A	#N/A
6/4/21	6/4/21 17:00			#N/A	#N/A
6/4/21	6/4/21 18:00			#N/A	#N/A
6/4/21	6/4/21 19:00			#N/A	#N/A
6/4/21	6/4/21 20:00			#N/A	#N/A
6/4/21	6/4/21 21:00			#N/A	#N/A
6/4/21	6/4/21 22:00			#N/A	#N/A
6/4/21	6/4/21 23:00			#N/A	#N/A
6/5/21	6/5/21 0:00			#N/A	#N/A
6/5/21	6/5/21 1:00			#N/A	#N/A
6/5/21	6/5/21 2:00			#N/A	#N/A
6/5/21	6/5/21 3:00			#N/A	#N/A
6/5/21	6/5/21 4:00			#N/A	#N/A
6/5/21	6/5/21 5:00			#N/A	#N/A
6/5/21	6/5/21 6:00			#N/A	#N/A
6/5/21	6/5/21 7:00			#N/A	#N/A
6/5/21	6/5/21 8:00			#N/A	#N/A
6/5/21	6/5/21 9:00			#N/A	#N/A
6/5/21	6/5/21 10:00			#N/A	#N/A
6/5/21	6/5/21 11:00			#N/A	#N/A
6/5/21	6/5/21 12:00			#N/A	#N/A
6/5/21	6/5/21 13:00			#N/A	#N/A
6/5/21	6/5/21 14:00			#N/A	#N/A
6/5/21	6/5/21 15:00			#N/A	#N/A
6/5/21	6/5/21 16:00			#N/A	#N/A
6/5/21	6/5/21 17:00			#N/A	#N/A
6/5/21	6/5/21 18:00			#N/A	#N/A
6/5/21	6/5/21 19:00			#N/A	#N/A
6/5/21	6/5/21 20:00			#N/A	#N/A
6/5/21	6/5/21 21:00			#N/A	#N/A
6/5/21	6/5/21 22:00			#N/A	#N/A
6/5/21	6/5/21 23:00			#N/A	#N/A
6/6/21	6/6/21 0:00			#N/A	#N/A

Date

SO2

Max Hour

PPB / Day

SO2

Max hour PPB /
Day |Shelter temp
in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
6/6/21	6/6/21 1:00			#N/A	#N/A
6/6/21	6/6/21 2:00			#N/A	#N/A
6/6/21	6/6/21 3:00			#N/A	#N/A
6/6/21	6/6/21 4:00			#N/A	#N/A
6/6/21	6/6/21 5:00			#N/A	#N/A
6/6/21	6/6/21 6:00			#N/A	#N/A
6/6/21	6/6/21 7:00			#N/A	#N/A
6/6/21	6/6/21 8:00			#N/A	#N/A
6/6/21	6/6/21 9:00			#N/A	#N/A
6/6/21	6/6/21 10:00			#N/A	#N/A
6/6/21	6/6/21 11:00			#N/A	#N/A
6/6/21	6/6/21 12:00			#N/A	#N/A
6/6/21	6/6/21 13:00			#N/A	#N/A
6/6/21	6/6/21 14:00			#N/A	#N/A
6/6/21	6/6/21 15:00			#N/A	#N/A
6/6/21	6/6/21 16:00			#N/A	#N/A
6/6/21	6/6/21 17:00			#N/A	#N/A
6/6/21	6/6/21 18:00			#N/A	#N/A
6/6/21	6/6/21 19:00			#N/A	#N/A
6/6/21	6/6/21 20:00			#N/A	#N/A
6/6/21	6/6/21 21:00			#N/A	#N/A
6/6/21	6/6/21 22:00			#N/A	#N/A
6/6/21	6/6/21 23:00			#N/A	#N/A
6/7/21	6/7/21 0:00			#N/A	#N/A
6/7/21	6/7/21 1:00			#N/A	#N/A
6/7/21	6/7/21 2:00			#N/A	#N/A
6/7/21	6/7/21 3:00			#N/A	#N/A
6/7/21	6/7/21 4:00			#N/A	#N/A
6/7/21	6/7/21 5:00			#N/A	#N/A
6/7/21	6/7/21 6:00			#N/A	#N/A
6/7/21	6/7/21 7:00			#N/A	#N/A
6/7/21	6/7/21 8:00			#N/A	#N/A
6/7/21	6/7/21 9:00			#N/A	#N/A
6/7/21	6/7/21 10:00			#N/A	#N/A
6/7/21	6/7/21 11:00			#N/A	#N/A
6/7/21	6/7/21 12:00			#N/A	#N/A
6/7/21	6/7/21 13:00			#N/A	#N/A
6/7/21	6/7/21 14:00			#N/A	#N/A
6/7/21	6/7/21 15:00			#N/A	#N/A
6/7/21	6/7/21 16:00			#N/A	#N/A
6/7/21	6/7/21 17:00			#N/A	#N/A
6/7/21	6/7/21 18:00			#N/A	#N/A
6/7/21	6/7/21 19:00			#N/A	#N/A
6/7/21	6/7/21 20:00			#N/A	#N/A
6/7/21	6/7/21 21:00			#N/A	#N/A
6/7/21	6/7/21 22:00			#N/A	#N/A
6/7/21	6/7/21 23:00			#N/A	#N/A
6/8/21	6/8/21 0:00			#N/A	#N/A
6/8/21	6/8/21 1:00			#N/A	#N/A
6/8/21	6/8/21 2:00			#N/A	#N/A
6/8/21	6/8/21 3:00			#N/A	#N/A
6/8/21	6/8/21 4:00			#N/A	#N/A
6/8/21	6/8/21 5:00			#N/A	#N/A
6/8/21	6/8/21 6:00			#N/A	#N/A
6/8/21	6/8/21 7:00			#N/A	#N/A
6/8/21	6/8/21 8:00			#N/A	#N/A
6/8/21	6/8/21 9:00			#N/A	#N/A
6/8/21	6/8/21 10:00			#N/A	#N/A
6/8/21	6/8/21 11:00			#N/A	#N/A
6/8/21	6/8/21 12:00			#N/A	#N/A
6/8/21	6/8/21 13:00			#N/A	#N/A
6/8/21	6/8/21 14:00			#N/A	#N/A
6/8/21	6/8/21 15:00			#N/A	#N/A

SO2

SO2

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Max Hour

Max hour PPB /

PPB / Day

Day |Shelter temp

in range |

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
6/8/21	6/8/21 16:00			#N/A	#N/A
6/8/21	6/8/21 17:00			#N/A	#N/A
6/8/21	6/8/21 18:00			#N/A	#N/A
6/8/21	6/8/21 19:00			#N/A	#N/A
6/8/21	6/8/21 20:00			#N/A	#N/A
6/8/21	6/8/21 21:00			#N/A	#N/A
6/8/21	6/8/21 22:00			#N/A	#N/A
6/8/21	6/8/21 23:00			#N/A	#N/A
6/9/21	6/9/21 0:00			#N/A	#N/A
6/9/21	6/9/21 1:00			#N/A	#N/A
6/9/21	6/9/21 2:00			#N/A	#N/A
6/9/21	6/9/21 3:00			#N/A	#N/A
6/9/21	6/9/21 4:00			#N/A	#N/A
6/9/21	6/9/21 5:00			#N/A	#N/A
6/9/21	6/9/21 6:00			#N/A	#N/A
6/9/21	6/9/21 7:00			#N/A	#N/A
6/9/21	6/9/21 8:00			#N/A	#N/A
6/9/21	6/9/21 9:00			#N/A	#N/A
6/9/21	6/9/21 10:00			#N/A	#N/A
6/9/21	6/9/21 11:00			#N/A	#N/A
6/9/21	6/9/21 12:00			#N/A	#N/A
6/9/21	6/9/21 13:00			#N/A	#N/A
6/9/21	6/9/21 14:00			#N/A	#N/A
6/9/21	6/9/21 15:00			#N/A	#N/A
6/9/21	6/9/21 16:00			#N/A	#N/A
6/9/21	6/9/21 17:00			#N/A	#N/A
6/9/21	6/9/21 18:00			#N/A	#N/A
6/9/21	6/9/21 19:00			#N/A	#N/A
6/9/21	6/9/21 20:00			#N/A	#N/A
6/9/21	6/9/21 21:00			#N/A	#N/A
6/9/21	6/9/21 22:00			#N/A	#N/A
6/9/21	6/9/21 23:00			#N/A	#N/A
6/10/21	6/10/21 0:00			#N/A	#N/A
6/10/21	6/10/21 1:00			#N/A	#N/A
6/10/21	6/10/21 2:00			#N/A	#N/A
6/10/21	6/10/21 3:00			#N/A	#N/A
6/10/21	6/10/21 4:00			#N/A	#N/A
6/10/21	6/10/21 5:00			#N/A	#N/A
6/10/21	6/10/21 6:00			#N/A	#N/A
6/10/21	6/10/21 7:00			#N/A	#N/A
6/10/21	6/10/21 8:00			#N/A	#N/A
6/10/21	6/10/21 9:00			#N/A	#N/A
6/10/21	6/10/21 10:00			#N/A	#N/A
6/10/21	6/10/21 11:00			#N/A	#N/A
6/10/21	6/10/21 12:00			#N/A	#N/A
6/10/21	6/10/21 13:00			#N/A	#N/A
6/10/21	6/10/21 14:00			#N/A	#N/A
6/10/21	6/10/21 15:00			#N/A	#N/A
6/10/21	6/10/21 16:00			#N/A	#N/A
6/10/21	6/10/21 17:00			#N/A	#N/A
6/10/21	6/10/21 18:00			#N/A	#N/A
6/10/21	6/10/21 19:00			#N/A	#N/A
6/10/21	6/10/21 20:00			#N/A	#N/A
6/10/21	6/10/21 21:00			#N/A	#N/A
6/10/21	6/10/21 22:00			#N/A	#N/A
6/10/21	6/10/21 23:00			#N/A	#N/A
6/11/21	6/11/21 0:00			#N/A	#N/A
6/11/21	6/11/21 1:00			#N/A	#N/A
6/11/21	6/11/21 2:00			#N/A	#N/A
6/11/21	6/11/21 3:00			#N/A	#N/A
6/11/21	6/11/21 4:00			#N/A	#N/A
6/11/21	6/11/21 5:00			#N/A	#N/A
6/11/21	6/11/21 6:00			#N/A	#N/A

SO2

SO2

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Max Hour

Max hour PPB /

PPB / Day

Day |Shelter temp

in range |

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
6/11/21	6/11/21 7:00			#N/A	#N/A
6/11/21	6/11/21 8:00			#N/A	#N/A
6/11/21	6/11/21 9:00			#N/A	#N/A
6/11/21	6/11/21 10:00			#N/A	#N/A
6/11/21	6/11/21 11:00			#N/A	#N/A
6/11/21	6/11/21 12:00			#N/A	#N/A
6/11/21	6/11/21 13:00			#N/A	#N/A
6/11/21	6/11/21 14:00			#N/A	#N/A
6/11/21	6/11/21 15:00			#N/A	#N/A
6/11/21	6/11/21 16:00			#N/A	#N/A
6/11/21	6/11/21 17:00			#N/A	#N/A
6/11/21	6/11/21 18:00			#N/A	#N/A
6/11/21	6/11/21 19:00			#N/A	#N/A
6/11/21	6/11/21 20:00			#N/A	#N/A
6/11/21	6/11/21 21:00			#N/A	#N/A
6/11/21	6/11/21 22:00			#N/A	#N/A
6/11/21	6/11/21 23:00			#N/A	#N/A
6/12/21	6/12/21 0:00			#N/A	#N/A
6/12/21	6/12/21 1:00			#N/A	#N/A
6/12/21	6/12/21 2:00			#N/A	#N/A
6/12/21	6/12/21 3:00			#N/A	#N/A
6/12/21	6/12/21 4:00			#N/A	#N/A
6/12/21	6/12/21 5:00			#N/A	#N/A
6/12/21	6/12/21 6:00			#N/A	#N/A
6/12/21	6/12/21 7:00			#N/A	#N/A
6/12/21	6/12/21 8:00			#N/A	#N/A
6/12/21	6/12/21 9:00			#N/A	#N/A
6/12/21	6/12/21 10:00			#N/A	#N/A
6/12/21	6/12/21 11:00			#N/A	#N/A
6/12/21	6/12/21 12:00			#N/A	#N/A
6/12/21	6/12/21 13:00			#N/A	#N/A
6/12/21	6/12/21 14:00			#N/A	#N/A
6/12/21	6/12/21 15:00			#N/A	#N/A
6/12/21	6/12/21 16:00			#N/A	#N/A
6/12/21	6/12/21 17:00			#N/A	#N/A
6/12/21	6/12/21 18:00			#N/A	#N/A
6/12/21	6/12/21 19:00			#N/A	#N/A
6/12/21	6/12/21 20:00			#N/A	#N/A
6/12/21	6/12/21 21:00			#N/A	#N/A
6/12/21	6/12/21 22:00			#N/A	#N/A
6/12/21	6/12/21 23:00			#N/A	#N/A
6/13/21	6/13/21 0:00			#N/A	#N/A
6/13/21	6/13/21 1:00			#N/A	#N/A
6/13/21	6/13/21 2:00			#N/A	#N/A
6/13/21	6/13/21 3:00			#N/A	#N/A
6/13/21	6/13/21 4:00			#N/A	#N/A
6/13/21	6/13/21 5:00			#N/A	#N/A
6/13/21	6/13/21 6:00			#N/A	#N/A
6/13/21	6/13/21 7:00			#N/A	#N/A
6/13/21	6/13/21 8:00			#N/A	#N/A
6/13/21	6/13/21 9:00			#N/A	#N/A
6/13/21	6/13/21 10:00			#N/A	#N/A
6/13/21	6/13/21 11:00			#N/A	#N/A
6/13/21	6/13/21 12:00			#N/A	#N/A
6/13/21	6/13/21 13:00			#N/A	#N/A
6/13/21	6/13/21 14:00			#N/A	#N/A
6/13/21	6/13/21 15:00			#N/A	#N/A
6/13/21	6/13/21 16:00			#N/A	#N/A
6/13/21	6/13/21 17:00			#N/A	#N/A
6/13/21	6/13/21 18:00			#N/A	#N/A
6/13/21	6/13/21 19:00			#N/A	#N/A
6/13/21	6/13/21 20:00			#N/A	#N/A
6/13/21	6/13/21 21:00			#N/A	#N/A

SO2

SO2

Max Hour
PPB / Day

Max hour PPB /
Day |Shelter temp
in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Date

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
6/13/21	6/13/21 22:00			#N/A	#N/A
6/13/21	6/13/21 23:00			#N/A	#N/A
6/14/21	6/14/21 0:00			#N/A	#N/A
6/14/21	6/14/21 1:00			#N/A	#N/A
6/14/21	6/14/21 2:00			#N/A	#N/A
6/14/21	6/14/21 3:00			#N/A	#N/A
6/14/21	6/14/21 4:00			#N/A	#N/A
6/14/21	6/14/21 5:00			#N/A	#N/A
6/14/21	6/14/21 6:00			#N/A	#N/A
6/14/21	6/14/21 7:00			#N/A	#N/A
6/14/21	6/14/21 8:00			#N/A	#N/A
6/14/21	6/14/21 9:00			#N/A	#N/A
6/14/21	6/14/21 10:00			#N/A	#N/A
6/14/21	6/14/21 11:00			#N/A	#N/A
6/14/21	6/14/21 12:00			#N/A	#N/A
6/14/21	6/14/21 13:00			#N/A	#N/A
6/14/21	6/14/21 14:00			#N/A	#N/A
6/14/21	6/14/21 15:00			#N/A	#N/A
6/14/21	6/14/21 16:00			#N/A	#N/A
6/14/21	6/14/21 17:00			#N/A	#N/A
6/14/21	6/14/21 18:00			#N/A	#N/A
6/14/21	6/14/21 19:00			#N/A	#N/A
6/14/21	6/14/21 20:00			#N/A	#N/A
6/14/21	6/14/21 21:00			#N/A	#N/A
6/14/21	6/14/21 22:00			#N/A	#N/A
6/14/21	6/14/21 23:00			#N/A	#N/A
6/15/21	6/15/21 0:00			#N/A	#N/A
6/15/21	6/15/21 1:00			#N/A	#N/A
6/15/21	6/15/21 2:00			#N/A	#N/A
6/15/21	6/15/21 3:00			#N/A	#N/A
6/15/21	6/15/21 4:00			#N/A	#N/A
6/15/21	6/15/21 5:00			#N/A	#N/A
6/15/21	6/15/21 6:00			#N/A	#N/A
6/15/21	6/15/21 7:00			#N/A	#N/A
6/15/21	6/15/21 8:00			#N/A	#N/A
6/15/21	6/15/21 9:00			#N/A	#N/A
6/15/21	6/15/21 10:00			#N/A	#N/A
6/15/21	6/15/21 11:00			#N/A	#N/A
6/15/21	6/15/21 12:00			#N/A	#N/A
6/15/21	6/15/21 13:00			#N/A	#N/A
6/15/21	6/15/21 14:00			#N/A	#N/A
6/15/21	6/15/21 15:00			#N/A	#N/A
6/15/21	6/15/21 16:00			#N/A	#N/A
6/15/21	6/15/21 17:00			#N/A	#N/A
6/15/21	6/15/21 18:00			#N/A	#N/A
6/15/21	6/15/21 19:00			#N/A	#N/A
6/15/21	6/15/21 20:00			#N/A	#N/A
6/15/21	6/15/21 21:00			#N/A	#N/A
6/15/21	6/15/21 22:00			#N/A	#N/A
6/15/21	6/15/21 23:00			#N/A	#N/A
6/16/21	6/16/21 0:00			#N/A	#N/A
6/16/21	6/16/21 1:00			#N/A	#N/A
6/16/21	6/16/21 2:00			#N/A	#N/A
6/16/21	6/16/21 3:00			#N/A	#N/A
6/16/21	6/16/21 4:00			#N/A	#N/A
6/16/21	6/16/21 5:00			#N/A	#N/A
6/16/21	6/16/21 6:00			#N/A	#N/A
6/16/21	6/16/21 7:00			#N/A	#N/A
6/16/21	6/16/21 8:00			#N/A	#N/A
6/16/21	6/16/21 9:00			#N/A	#N/A
6/16/21	6/16/21 10:00			#N/A	#N/A
6/16/21	6/16/21 11:00			#N/A	#N/A
6/16/21	6/16/21 12:00			#N/A	#N/A

Date

SO2

Max Hour

PPB / Day

SO2

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of tAudit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
6/16/21	6/16/21 13:00			#N/A	#N/A
6/16/21	6/16/21 14:00			#N/A	#N/A
6/16/21	6/16/21 15:00			#N/A	#N/A
6/16/21	6/16/21 16:00			#N/A	#N/A
6/16/21	6/16/21 17:00			#N/A	#N/A
6/16/21	6/16/21 18:00			#N/A	#N/A
6/16/21	6/16/21 19:00			#N/A	#N/A
6/16/21	6/16/21 20:00			#N/A	#N/A
6/16/21	6/16/21 21:00			#N/A	#N/A
6/16/21	6/16/21 22:00			#N/A	#N/A
6/16/21	6/16/21 23:00			#N/A	#N/A
6/17/21	6/17/21 0:00			#N/A	#N/A
6/17/21	6/17/21 1:00			#N/A	#N/A
6/17/21	6/17/21 2:00			#N/A	#N/A
6/17/21	6/17/21 3:00			#N/A	#N/A
6/17/21	6/17/21 4:00			#N/A	#N/A
6/17/21	6/17/21 5:00			#N/A	#N/A
6/17/21	6/17/21 6:00			#N/A	#N/A
6/17/21	6/17/21 7:00			#N/A	#N/A
6/17/21	6/17/21 8:00			#N/A	#N/A
6/17/21	6/17/21 9:00			#N/A	#N/A
6/17/21	6/17/21 10:00			#N/A	#N/A
6/17/21	6/17/21 11:00			#N/A	#N/A
6/17/21	6/17/21 12:00			#N/A	#N/A
6/17/21	6/17/21 13:00			#N/A	#N/A
6/17/21	6/17/21 14:00			#N/A	#N/A
6/17/21	6/17/21 15:00			#N/A	#N/A
6/17/21	6/17/21 16:00			#N/A	#N/A
6/17/21	6/17/21 17:00			#N/A	#N/A
6/17/21	6/17/21 18:00			#N/A	#N/A
6/17/21	6/17/21 19:00			#N/A	#N/A
6/17/21	6/17/21 20:00			#N/A	#N/A
6/17/21	6/17/21 21:00			#N/A	#N/A
6/17/21	6/17/21 22:00			#N/A	#N/A
6/17/21	6/17/21 23:00			#N/A	#N/A
6/18/21	6/18/21 0:00			#N/A	#N/A
6/18/21	6/18/21 1:00			#N/A	#N/A
6/18/21	6/18/21 2:00			#N/A	#N/A
6/18/21	6/18/21 3:00			#N/A	#N/A
6/18/21	6/18/21 4:00			#N/A	#N/A
6/18/21	6/18/21 5:00			#N/A	#N/A
6/18/21	6/18/21 6:00			#N/A	#N/A
6/18/21	6/18/21 7:00			#N/A	#N/A
6/18/21	6/18/21 8:00			#N/A	#N/A
6/18/21	6/18/21 9:00			#N/A	#N/A
6/18/21	6/18/21 10:00			#N/A	#N/A
6/18/21	6/18/21 11:00			#N/A	#N/A
6/18/21	6/18/21 12:00			#N/A	#N/A
6/18/21	6/18/21 13:00			#N/A	#N/A
6/18/21	6/18/21 14:00			#N/A	#N/A
6/18/21	6/18/21 15:00			#N/A	#N/A
6/18/21	6/18/21 16:00			#N/A	#N/A
6/18/21	6/18/21 17:00			#N/A	#N/A
6/18/21	6/18/21 18:00			#N/A	#N/A
6/18/21	6/18/21 19:00			#N/A	#N/A
6/18/21	6/18/21 20:00			#N/A	#N/A
6/18/21	6/18/21 21:00			#N/A	#N/A
6/18/21	6/18/21 22:00			#N/A	#N/A
6/18/21	6/18/21 23:00			#N/A	#N/A
6/19/21	6/19/21 0:00			#N/A	#N/A
6/19/21	6/19/21 1:00			#N/A	#N/A
6/19/21	6/19/21 2:00			#N/A	#N/A
6/19/21	6/19/21 3:00			#N/A	#N/A

Date

SO2

SO2

Max Hour
PPB / Day

Max hour PPB /
Day |Shelter temp
in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD	Date
	EST	ppb	C°	MPH	Deg	
6/19/21	6/19/21 4:00			#N/A	#N/A	
6/19/21	6/19/21 5:00			#N/A	#N/A	
6/19/21	6/19/21 6:00			#N/A	#N/A	
6/19/21	6/19/21 7:00			#N/A	#N/A	
6/19/21	6/19/21 8:00			#N/A	#N/A	
6/19/21	6/19/21 9:00			#N/A	#N/A	
6/19/21	6/19/21 10:00			#N/A	#N/A	
6/19/21	6/19/21 11:00			#N/A	#N/A	
6/19/21	6/19/21 12:00			#N/A	#N/A	
6/19/21	6/19/21 13:00			#N/A	#N/A	
6/19/21	6/19/21 14:00			#N/A	#N/A	
6/19/21	6/19/21 15:00			#N/A	#N/A	
6/19/21	6/19/21 16:00			#N/A	#N/A	
6/19/21	6/19/21 17:00			#N/A	#N/A	
6/19/21	6/19/21 18:00			#N/A	#N/A	
6/19/21	6/19/21 19:00			#N/A	#N/A	
6/19/21	6/19/21 20:00			#N/A	#N/A	
6/19/21	6/19/21 21:00			#N/A	#N/A	
6/19/21	6/19/21 22:00			#N/A	#N/A	
6/19/21	6/19/21 23:00			#N/A	#N/A	
6/20/21	6/20/21 0:00			#N/A	#N/A	
6/20/21	6/20/21 1:00			#N/A	#N/A	
6/20/21	6/20/21 2:00			#N/A	#N/A	
6/20/21	6/20/21 3:00			#N/A	#N/A	
6/20/21	6/20/21 4:00			#N/A	#N/A	
6/20/21	6/20/21 5:00			#N/A	#N/A	
6/20/21	6/20/21 6:00			#N/A	#N/A	
6/20/21	6/20/21 7:00			#N/A	#N/A	
6/20/21	6/20/21 8:00			#N/A	#N/A	
6/20/21	6/20/21 9:00			#N/A	#N/A	
6/20/21	6/20/21 10:00			#N/A	#N/A	
6/20/21	6/20/21 11:00			#N/A	#N/A	
6/20/21	6/20/21 12:00			#N/A	#N/A	
6/20/21	6/20/21 13:00			#N/A	#N/A	
6/20/21	6/20/21 14:00			#N/A	#N/A	
6/20/21	6/20/21 15:00			#N/A	#N/A	
6/20/21	6/20/21 16:00			#N/A	#N/A	
6/20/21	6/20/21 17:00			#N/A	#N/A	
6/20/21	6/20/21 18:00			#N/A	#N/A	
6/20/21	6/20/21 19:00			#N/A	#N/A	
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6/20/21	6/20/21 21:00			#N/A	#N/A	
6/20/21	6/20/21 22:00			#N/A	#N/A	
6/20/21	6/20/21 23:00			#N/A	#N/A	
6/21/21	6/21/21 0:00			#N/A	#N/A	
6/21/21	6/21/21 1:00			#N/A	#N/A	
6/21/21	6/21/21 2:00			#N/A	#N/A	
6/21/21	6/21/21 3:00			#N/A	#N/A	
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6/21/21	6/21/21 12:00			#N/A	#N/A	
6/21/21	6/21/21 13:00			#N/A	#N/A	
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6/21/21	6/21/21 18:00			#N/A	#N/A	

SO2

SO2

Max Hour

PPB / Day

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

Airport WD is in EDT and is not representative of t

Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
6/21/21	6/21/21 19:00			#N/A	#N/A
6/21/21	6/21/21 20:00			#N/A	#N/A
6/21/21	6/21/21 21:00			#N/A	#N/A
6/21/21	6/21/21 22:00			#N/A	#N/A
6/21/21	6/21/21 23:00			#N/A	#N/A
6/22/21	6/22/21 0:00			#N/A	#N/A
6/22/21	6/22/21 1:00			#N/A	#N/A
6/22/21	6/22/21 2:00			#N/A	#N/A
6/22/21	6/22/21 3:00			#N/A	#N/A
6/22/21	6/22/21 4:00			#N/A	#N/A
6/22/21	6/22/21 5:00			#N/A	#N/A
6/22/21	6/22/21 6:00			#N/A	#N/A
6/22/21	6/22/21 7:00			#N/A	#N/A
6/22/21	6/22/21 8:00			#N/A	#N/A
6/22/21	6/22/21 9:00			#N/A	#N/A
6/22/21	6/22/21 10:00			#N/A	#N/A
6/22/21	6/22/21 11:00			#N/A	#N/A
6/22/21	6/22/21 12:00			#N/A	#N/A
6/22/21	6/22/21 13:00			#N/A	#N/A
6/22/21	6/22/21 14:00			#N/A	#N/A
6/22/21	6/22/21 15:00			#N/A	#N/A
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6/22/21	6/22/21 22:00			#N/A	#N/A
6/22/21	6/22/21 23:00			#N/A	#N/A
6/23/21	6/23/21 0:00			#N/A	#N/A
6/23/21	6/23/21 1:00			#N/A	#N/A
6/23/21	6/23/21 2:00			#N/A	#N/A
6/23/21	6/23/21 3:00			#N/A	#N/A
6/23/21	6/23/21 4:00			#N/A	#N/A
6/23/21	6/23/21 5:00			#N/A	#N/A
6/23/21	6/23/21 6:00			#N/A	#N/A
6/23/21	6/23/21 7:00			#N/A	#N/A
6/23/21	6/23/21 8:00			#N/A	#N/A
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6/24/21	6/24/21 3:00			#N/A	#N/A
6/24/21	6/24/21 4:00			#N/A	#N/A
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6/24/21	6/24/21 8:00			#N/A	#N/A
6/24/21	6/24/21 9:00			#N/A	#N/A

Date

SO2

Max Hour

PPB / Day

SO2

Max hour PPB /

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

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	Date & Time	SO2	I-temp	Airport WS	Airport WD
	EST	ppb	C°	MPH	Deg
6/24/21	6/24/21 10:00			#N/A	#N/A
6/24/21	6/24/21 11:00			#N/A	#N/A
6/24/21	6/24/21 12:00			#N/A	#N/A
6/24/21	6/24/21 13:00			#N/A	#N/A
6/24/21	6/24/21 14:00			#N/A	#N/A
6/24/21	6/24/21 15:00			#N/A	#N/A
6/24/21	6/24/21 16:00			#N/A	#N/A
6/24/21	6/24/21 17:00			#N/A	#N/A
6/24/21	6/24/21 18:00			#N/A	#N/A
6/24/21	6/24/21 19:00			#N/A	#N/A
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6/24/21	6/24/21 21:00			#N/A	#N/A
6/24/21	6/24/21 22:00			#N/A	#N/A
6/24/21	6/24/21 23:00			#N/A	#N/A
6/25/21	6/25/21 0:00			#N/A	#N/A
6/25/21	6/25/21 1:00			#N/A	#N/A
6/25/21	6/25/21 2:00			#N/A	#N/A
6/25/21	6/25/21 3:00			#N/A	#N/A
6/25/21	6/25/21 4:00			#N/A	#N/A
6/25/21	6/25/21 5:00			#N/A	#N/A
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6/25/21	6/25/21 7:00			#N/A	#N/A
6/25/21	6/25/21 8:00			#N/A	#N/A
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6/25/21	6/25/21 10:00			#N/A	#N/A
6/25/21	6/25/21 11:00			#N/A	#N/A
6/25/21	6/25/21 12:00			#N/A	#N/A
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6/25/21	6/25/21 14:00			#N/A	#N/A
6/25/21	6/25/21 15:00			#N/A	#N/A
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6/26/21	6/26/21 1:00			#N/A	#N/A
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6/26/21	6/26/21 4:00			#N/A	#N/A
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6/26/21	6/26/21 9:00			#N/A	#N/A
6/26/21	6/26/21 10:00			#N/A	#N/A
6/26/21	6/26/21 11:00			#N/A	#N/A
6/26/21	6/26/21 12:00			#N/A	#N/A
6/26/21	6/26/21 13:00			#N/A	#N/A
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6/26/21	6/26/21 23:00			#N/A	#N/A

Date

SO2

SO2

Max Hour

Max hour PPB /

PPB / Day

Day |Shelter temp

in range |

I-Temp is the temperature inside the monitoring sh Instrument Installed on 3/30/21, Calibrated 3/31/21

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Audit performed on 4/7, 4/16, 4/21, 5/5, 5/11

EXHIBIT D



ANDREW M. CUOMO
Governor

Department of Health

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

LISA J. PINO, M.A., J.D.
Executive Deputy Commissioner

May 15, 2021

Kenneth M. Macur, President
Medaille College
18 Agassiz Circle
Buffalo, NY 14214

RE: Temporary Suspension of Activities at Elk Street Athletic Facility,
Buffalo Medaille Sports Complex

Dear President Macur:

The New York State Departments of Health and Environmental Conservation (DOH, DEC) request that all activities at the Elk Street Athletic Facility, administered by Medaille College, be suspended and the fields secured to prevent further use, effective immediately. As explained in further detail below, continued use of the athletic facility constitutes a danger to the health of the people, in violation of Public Health Law § 16, and must be suspended until such time as all hazards can be mitigated.

Air monitoring data taken from the soccer field at the Elk Street Athletic Facility indicates numerous episodes of elevated sulfur dioxide (SO₂) concentrations at that location which are unsafe for the public to be exposed to while exercising even for relatively brief periods. Further, a DEC air monitoring station at the Elk Street Athletic Facility soccer field indicates that SO₂ concentrations frequently exceed the National Ambient Air Quality Standard primary standard set by the U.S. Environmental Protection Agency (USEPA), Acute Exposure Guideline Levels (AEGLs), and exceed the thresholds used by USEPA's Air Quality Index that indicate unhealthy air quality. In several instances, measured SO₂ at the soccer field has exceeded the AEGL-2 level which indicates the potential for more severe respiratory effects. The most vulnerable groups are asthmatics and those who are exercising, although any member of the general public may be affected at the measured concentrations.

In light of this monitoring data, it is critical that all activities at the Elk Street Athletic Facility be temporarily suspended until offsite sources of SO₂ concentrations are mitigated and adverse impacts on the air quality at your athletic facility are reversed. DEC is taking aggressive action to address the source of the SO₂ contamination and to make sure that necessary repairs and solutions occur on a highly expedited time frame and will keep you apprised as these efforts progress and air quality in the area has improved. Should activities continue at the facility, DOH and DEC reserve the right to pursue all available legal and administrative remedies, including summary action pursuant to Section 16 of the New York State Public Health Law.

We greatly appreciate your cooperation in addressing this situation and look forward to working with you to protect public health and the health of all those who utilize your facility. Please do not hesitate to contact Michael Bass at (518) 396-7040 if you have any questions or concerns.

Sincerely



Howard A. Zucker, M.D., J.D.
Commissioner
Department of Health



Basil Seggos
Commissioner
Department of Environmental Conservation

Cc: Sean Mahar, Chief of Staff
J. Jared Snyder, Deputy Commissioner for Climate, Air and Energy
Thomas Berkman, DEC Deputy Commissioner and General Counsel
Lisa Pino, DOH Executive Deputy Commissioner
Kathy Marks, DOH General Counsel
Michael G. Bass, Esq., DOH Deputy Counsel
Lemuel Srolovic, Esq., NYS Attorney General's Office, Environmental Protection Bureau
Lisa Burianek, Esq., NYS Attorney General's Office, Deputy Bureau Chief,
Environmental Protection Bureau
Eric Schaaf, Esq., Environmental Protection Agency
Terri Mucha, Esq., DEC Associate Attorney

EXHIBIT

E

ROACH LENNON & BROWN

May 15, 2021

VIA E-MAIL (molly.mcbride@dec.ny.gov)

Hon. Molly T. McBride
Administrative Law Judge
NYS Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Re: In re: PVS Chemical Solutions, Inc.
File No. 20-40
R9-20201020-1949

Dear Judge McBride:

We represent Respondent PVS Chemical Solutions, Inc. ("PVS") in the above-referenced administrative proceeding, which is pending before Your Honor and scheduled for an administrative hearing in October. During our recent scheduling conference with Your Honor (on April 22, 2021), you directed the parties to keep you advised of any issues or developments as the parties work through the agreed upon discovery schedule.

We are writing to inform you of one such issue which arose last night at 8:37 PM, when our client received a "Temporary Cease and Desist" letter via e-mail from Teresa J. Mucha, Esq., counsel for the New York State Department of Environmental Conservation ("Department") in this proceeding. Enclosed are copies of Ms. Mucha's e-mail and the Department's "Temporary Cease and Desist" letter. In addition to advising you of the Department's extraordinary action, we wish to respectfully request your assistance in addressing the Department's attempt to circumvent the administrative process that is now pending before Your Honor.

As you will see, the issues raised by the Department in the "Temporary Cease and Desist" letter – and the relief demanded – are virtually identical to those identified in the Department's Complaint in the pending proceeding. In essence, the Department is now seeking to obtain via fiat the relief that should more properly be the subject of the pending proceeding.

PVS of course disputes the validity of the Department's claims in its "Temporary Cease and Desist" letter because its claims are, quite frankly, just dead wrong. Now is not the time, however, to resolve the Department's erroneous claims. That is instead the function of the



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Hon. Molly T. McBride

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proceeding pending before Your Honor. To the extent, however, Your Honor would like us to respond now to the Department's claims, we state as follows:

In its letter, the Department identifies a new benchmark – the Acute Exposure Guideline Levels (“AEGLs”) – by which it seeks to take punitive action against PVS. The mention of the AEGLs in the Department's letter is the first and only time that those guidelines have been raised with PVS. Significantly, the AEGLs are not referenced in PVS's Title V Air Permit nor in the Department's Complaint, nor were they raised by Ms. Mucha in any of the communications between herself and my office, including our conversation yesterday less than 12 hours before the Department issued its “Temporary Cease and Desist” letter.

Prior to the “Temporary Cease and Desist” letter, the Department's focus has been alleged exceedances of the National Ambient Air Quality Standards (“NAAQS”), not the AEGLs. In fact, Ms. Mucha recently expressed to us the Department's concern that SO₂ measurements at the fence line of the PVS facility could cause the EPA to reconsider the attainment status of Erie County. Frankly, we could not understand the basis for such a concern. Prior to commencement of the instant proceeding and in response to Notices of Violation regarding alleged exceedances of the NAAQS, dated September 2, 2020 and October 23, 2020, we advised that alleged violations of the NAAQS for SO₂ were not actionable. Rather, as supported by the caselaw and commentary cited in our response letter dated January 5, 2021 (copy enclosed), the NAAQS are *not* emission standards. If they were, there would be no need for Title V Permits such as the one issued to PVS, a copy of which is also enclosed. In other words, such Permits recognize that emissions will exceed NAAQS at the point source, but the focus of the standard is a geographic zone, in most cases, an entire county. Accordingly, per New York's approved State Implementation Plan (“SIP”), there are forty (40) monitoring stations spread across the State's sixty-two (62) counties to measure NAAQS compliance. Two (2) of those forty (40) monitoring stations are in Erie County and continue to record attainment with the NAAQS for SO₂.

For example, by letter dated January 4, 2017, the Department's Commissioner submitted to the Regional Administrator of the EPA, the “Revised Designation Recommendation for Sulfur Dioxide (“Designation”).” The purpose of the Designation was to demonstrate attainment of the NAAQS standard for most counties in New York State. The Designation included an analysis in Appendix A regarding Recycled Energy Development (“RED”) located on former Kodak property in Rochester, New York (pp. A-1 to A-14) within Monroe County. During the period of the analysis, RED emitted 10,188 tons and 8,784 tons of SO₂ in 2014 and 2015, respectively, an average of 9,486 tons per year (“t/y”). Based upon modeling methodology, meteorological data and site-specific modeling reports, the State determined that RED contributed just 10.65 ppb of SO₂, resulting in an average concentration for Monroe County, the attainment area, of 30.25 ppb, equating to 40.3% of the NAAQS limit.

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By way of contrast, the PVS facility is permitted to discharge 122 t/y of SO₂ but, in fact, discharges less. For the sake of discussion, if we assume 100 t/y emitted from PVS, compared to the average of 9,486 tons per year from RED, the proportionate relationship is 1:95. Proportionately, that would yield a contribution of .011 ppb of SO₂ by PVS to Erie County, which, similar to Monroe County, is an attainment area for SO₂. Even with different modeling assumptions based on location (both locations being within 75 miles of each other in Western New York and having similar weather patterns, *etc.*), the order of magnitude of change would not be significant. In sum, if a facility discharging 95 times more SO₂ creates only a 14% impact on the NAAQS for Monroe County (10.65ppb/75ppb), how could PVS have more than a *de minimis* impact on Erie County's attainment of the NAAQS for SO₂? That is a question the Department simply ignores.

Finally, to the extent that the Department alleges concern regarding certain unspecified "potential public health risks caused by PVS," those concerns are belied by the allegations in the Complaint, which in alleging nearly sixty (60) complaints regarding PVS operations during the two-year period between March 2019 and March 2021, identifies only a handful which involve any sort of physical manifestation (*e.g.*, a bad taste in the mouth (x3), eye irritation (x1), breathing issue (x1), coughing (x1)). Moreover, at this early stage in the pending proceeding, there has been no evidentiary proof provided that connects the alleged physical reactions identified to operations at PVS's facility. Surely, the *potential* for a half dozen alleged physical manifestations over two years does not rise to the level of a public health risk warranting the immediate shut down of PVS's facility, as the Department now seeks.

In stark contrast to the alleged "potential" issues raised by the Department's letter, there are several *real*, rather than potential, threats in allowing the Department to proceed in this manner. First, there is a threat to the livelihood of the 50 individuals employed at the PVS plant and their families. Second, there is a threat to customers who rely upon the PVS production from this facility – *i.e.*, chip manufacturers who use the Company's ultrapure sulfuric acid and the New York City wastewater treatment facilities, which rely on the sodium bisulfite produced by PVS to treat wastewater prior to releasing it into the East River. Third, there is a threat to the integrity of the administrative hearing process, if procedural protections can be cast aside in favor of unilateral mandates based upon a misreading of the law and misunderstanding of the facts. At a minimum, the State Administrative Procedure Act requires that: "No decision, determination or order shall be made except upon consideration of the record as a whole or such portion thereof as may be cited by any party to the proceeding and as supported by and in accordance with substantial evidence." SAPA § 306(1); see also *Matter of Venditti*, 2005 WL 3105831 (DEC Case Nos. R2-20011119-223 and R2-0179-96-02, November 15, 2005), at *2.

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On the basis of the above, we respectfully request Your Honor to direct the Department to withdraw its demand letter, and allow the issues that are raised by its letter to be resolved through the orderly due process already underway in the administrative proceeding pending before Your Honor.

Thank you for your consideration.

Very truly yours,

ROACH, LENNON & BROWN, PLLC

By: 

David L. Roach, Esq.

DLR:tn

Enclosures

cc: Teresa J. Mucha, Esq. (via e-mail - teresa.mucha@dec.ny.gov)



REQUEST FOR JUDICIAL INTERVENTION

UCS-840
(rev. 07/29/2019)

Erie Supreme COURT, COUNTY OF Erie

Index No: 806451/2021

Date Index Issued: 05/17/2021

For Court Use Only:

CAPTION Enter the complete case caption. Do not use et al or et ano. If more space is needed, attach a caption rider sheet.	IAS Entry Date
Medaille College	
-against-	Judge Assigned
PVS Chemicals, Inc., PVS Chemical Solutions, Inc.	
	RJI Filed Date
Plaintiff(s)/Petitioner(s)	
Defendant(s)/Respondent(s)	

NATURE OF ACTION OR PROCEEDING: Check only one box and specify where indicated.

COMMERCIAL <input type="checkbox"/> Business Entity (includes corporations, partnerships, LLCs, LLPs, etc.) <input type="checkbox"/> Contract <input type="checkbox"/> Insurance (where insurance company is a party, except arbitration) <input type="checkbox"/> UCC (includes sales and negotiable instruments) <input checked="" type="checkbox"/> Other Commercial (specify): Business Torts NOTE: For Commercial Division assignment requests pursuant to 22 NYCRR 202.70(d), complete and attach the COMMERCIAL DIVISION RJI ADDENDUM (UCS-840C) . REAL PROPERTY: Specify how many properties the application includes: _____ <input type="checkbox"/> Condemnation <input type="checkbox"/> Mortgage Foreclosure (specify): <input type="checkbox"/> Residential <input type="checkbox"/> Commercial Property Address: _____ NOTE: For Mortgage Foreclosure actions involving a one to four-family, owner-occupied residential property or owner-occupied condominium, complete and attach the FORECLOSURE RJI ADDENDUM (UCS-840F) . <input type="checkbox"/> Tax Certiorari - Section: _____ Block: _____ Lot: _____ <input type="checkbox"/> Tax Foreclosure <input type="checkbox"/> Other Real Property (specify): _____	MATRIMONIAL <input type="checkbox"/> Contested NOTE: If there are children under the age of 18, complete and attach the MATRIMONIAL RJI Addendum (UCS-840M) . For Uncontested Matrimonial actions, use the Uncontested Divorce RJI (UD-13). TORTS <input type="checkbox"/> Asbestos <input type="checkbox"/> Child Victims Act <input type="checkbox"/> Environmental (specify): _____ <input type="checkbox"/> Medical, Dental, or Podiatric Malpractice <input type="checkbox"/> Motor Vehicle <input type="checkbox"/> Products Liability (specify): _____ <input type="checkbox"/> Other Negligence (specify): _____ <input type="checkbox"/> Other Professional Malpractice (specify): _____ <input type="checkbox"/> Other Tort (specify): _____ SPECIAL PROCEEDINGS <input type="checkbox"/> CPLR Article 75 (Arbitration) [see NOTE in COMMERCIAL section] <input type="checkbox"/> CPLR Article 78 (Body or Officer) <input type="checkbox"/> Election Law <input type="checkbox"/> Extreme Risk Protection Order <input type="checkbox"/> MHL Article 9.60 (Kendra's Law) <input type="checkbox"/> MHL Article 10 (Sex Offender Confinement-Initial) <input type="checkbox"/> MHL Article 10 (Sex Offender Confinement-Review) <input type="checkbox"/> MHL Article 81 (Guardianship) <input type="checkbox"/> Other Mental Hygiene (specify): _____ <input type="checkbox"/> Other Special Proceeding (specify): _____
OTHER MATTERS <input type="checkbox"/> Certificate of Incorporation/Dissolution [see NOTE in COMMERCIAL section] <input type="checkbox"/> Emergency Medical Treatment <input type="checkbox"/> Habeas Corpus <input type="checkbox"/> Local Court Appeal <input type="checkbox"/> Mechanic's Lien <input type="checkbox"/> Name Change <input type="checkbox"/> Pistol Permit Revocation Hearing <input type="checkbox"/> Sale or Finance of Religious/Not-for-Profit Property <input type="checkbox"/> Other (specify): _____	

STATUS OF ACTION OR PROCEEDING: Answer YES or NO for every question and enter additional information where indicated.

	YES	NO	
Has a summons and complaint or summons with notice been filed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, date filed: 05/17/2021
Has a summons and complaint or summons with notice been served?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If yes, date served: _____
Is this action/proceeding being filed post-judgment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If yes, judgment date: _____

NATURE OF JUDICIAL INTERVENTION: Check one box only and enter additional information where indicated.

<input type="checkbox"/> Infant's Compromise	
<input type="checkbox"/> Extreme Risk Protection Order Application	
<input type="checkbox"/> Note of Issue/Certificate of Readiness	
<input type="checkbox"/> Notice of Medical, Dental, or Podiatric Malpractice	Date Issue Joined: _____
<input type="checkbox"/> Notice of Motion	Relief Requested: _____ Return Date: _____
<input type="checkbox"/> Notice of Petition	Relief Requested: _____ Return Date: _____
<input checked="" type="checkbox"/> Order to Show Cause	Relief Requested: Injunction/Restraining Order Return Date: _____
<input type="checkbox"/> Other Ex Parte Application	Relief Requested: _____
<input type="checkbox"/> Poor Person Application	
<input type="checkbox"/> Request for Preliminary Conference	
<input type="checkbox"/> Residential Mortgage Foreclosure Settlement Conference	
<input type="checkbox"/> Writ of Habeas Corpus	
<input type="checkbox"/> Other (specify): _____	

RELATED CASES: List any related actions. For Matrimonial cases, list any related criminal or Family Court cases. If none, leave blank. If additional space is required, complete and attach the **RJI Addendum (UCS-840A)**.

Case Title	Index/Case Number	Court	Judge (if assigned)	Relationship to instant case

PARTIES: For parties without an attorney, check the "Un-Rep" box and enter the party's address, phone number and email in the space provided. If additional space is required, complete and attach the **RJI Addendum (UCS-840A)**.

Un-Rep	Parties	Attorneys and/or Unrepresented Litigants	Issue Joined	Insurance
	List parties in same order as listed in the caption and indicate roles (e.g., plaintiff, defendant; 3 rd party plaintiff, etc.)	For represented parties, provide attorney's name, firm name, address, phone and email. For unrepresented parties, provide party's address, phone and email.	For each defendant, indicate if issue has been joined.	For each defendant, indicate insurance carrier, if applicable.
<input type="checkbox"/>	Name: Medaille College Role(s): Plaintiff/Petitioner	JOHN SCHMIDT JR, PHILLIPS LYTLE LLP, One Canalside 125 Main Street, Buffalo, NY 14203-2887, 716-847-7095, jschmidt@phillipslytle.com	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<input checked="" type="checkbox"/>	Name: PVS Chemicals, Inc. Role(s): Defendant/Respondent	10900 Harper Avenue, Detroit, MI 48213	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<input checked="" type="checkbox"/>	Name: PVS Chemical Solutions, Inc. Role(s): Defendant/Respondent	10900 Harper Avenue, Detroit, MI 48213	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<input type="checkbox"/>	Name: Role(s):		<input type="checkbox"/> YES <input type="checkbox"/> NO	
<input type="checkbox"/>	Name: Role(s):		<input type="checkbox"/> YES <input type="checkbox"/> NO	
<input type="checkbox"/>	Name: Role(s):		<input type="checkbox"/> YES <input type="checkbox"/> NO	
<input type="checkbox"/>	Name: Role(s):		<input type="checkbox"/> YES <input type="checkbox"/> NO	
<input type="checkbox"/>	Name: Role(s):		<input type="checkbox"/> YES <input type="checkbox"/> NO	
<input type="checkbox"/>	Name: Role(s):		<input type="checkbox"/> YES <input type="checkbox"/> NO	

I AFFIRM UNDER THE PENALTY OF PERJURY THAT, UPON INFORMATION AND BELIEF, THERE ARE NO OTHER RELATED ACTIONS OR PROCEEDINGS, EXCEPT AS NOTED ABOVE, NOR HAS A REQUEST FOR JUDICIAL INTERVENTION BEEN PREVIOUSLY FILED IN THIS ACTION OR PROCEEDING.

Dated: 05/17/2021

JOHN G SCHMIDT JR

Signature

2761252

Attorney Registration Number

JOHN G SCHMIDT JR

Print Name

This form was generated by NYSCEF

SUPREME COURT OF THE STATE OF NEW YORK

COUNTY OF Erie

Index No: 806451/2021

RJI No. (if any):

COMMERCIAL DIVISION**Request for Judicial Intervention Addendum**

Medaille College

Plaintiff(s)/Petitioner(s)

-against-

PVS Chemicals, Inc., PVS Chemical Solutions, Inc.

Defendant(s)/Respondent(s)

X

COMPLETE WHERE APPLICABLE [add additional pages if needed]:

Plaintiff/Petitioner's cause(s) of action [check all that apply]:

- ☒ Breach of contract or fiduciary duty, fraud, misrepresentation, business tort (e.g. unfair competition), or statutory and/or common law violation where the breach or violation is alleged to arise out of business dealings (e.g. sales of assets or securities; corporate restructuring; partnership, shareholder, joint venture, and other business agreements; trade secrets; restrictive covenants; and employment agreements not including claims that principally involve alleged discriminatory practices)
- ☐ Transactions governed by the Uniform Commercial Code (exclusive of those concerning individual cooperative or condominium units)
- ☐ Transactions involving commercial real property, including Yellowstone injunctions and excluding actions for the payment of rent only
- ☐ Shareholder derivative actions — without consideration of the monetary threshold
- ☐ Commercial class actions — without consideration of the monetary threshold
- ☐ Business transactions involving or arising out of dealings with commercial banks and other financial institutions
- ☐ Internal affairs of business organizations
- ☐ Malpractice by accountants or actuaries, and legal malpractice arising out of representation in commercial matters
- ☐ Environmental insurance coverage
- ☐ Commercial insurance coverage (e.g. directors and officers, errors and omissions, and business interruption coverage)
- ☐ Dissolution of corporations, partnerships, limited liability companies, limited liability partnerships and joint ventures — without consideration of the monetary threshold
- ☐ Applications to stay or compel arbitration and affirm or disaffirm arbitration awards and related injunctive relief pursuant to CPLR Article 75 involving any of the foregoing enumerated commercial issues — without consideration of the monetary threshold

Plaintiff/Petitioner's claim for compensatory damages [exclusive of punitive damages, interest, costs and counsel fees claimed]:

Plaintiff/Petitioner's claim for equitable or declaratory relief [brief description]:

Action seeks emergency injunctive relief, and other remedies, for Defendants' unlawful emissions.

Defendant/Respondent's counterclaim(s) [brief description, including claim for monetary relief]:

I REQUEST THAT THIS CASE BE ASSIGNED TO THE COMMERCIAL DIVISION. I CERTIFY THAT THE CASE MEETS THE JURISDICTIONAL REQUIREMENTS OF THE COMMERCIAL DIVISION SET FORTH IN 22 NYCRR § 202.70(a), (b) and (c).

Dated: 05/17/2021

JOHN G SCHMIDT JR

SIGNATURE

JOHN G SCHMIDT JR

PRINT OR TYPE NAME

SUPREME COURT OF THE STATE OF NEW YORK
COUNTY OF ERIE

MEDAILLE COLLEGE,

Plaintiff,

AFFIDAVIT OF SERVICE

vs.

Index No. 806451/2021

PVS CHEMICALS, INC. and
PVS CHEMICAL SOLUTIONS, INC.,

Defendant.

STATE OF NEW YORK)
) SS:
COUNTY OF ERIE)

James Ferris, being duly sworn, deposes and says: I am not a party to the action, am over the age of 18 years and am an employee of Phillips Lytle LLP in Buffalo, New York. On May 18, 2021, I served via hand delivery, Plaintiff's Summons; Verified Complaint; Affidavits of Kenneth M. Macur, Ph.D., John Black, PE, John G. Schmidt, Jr., Esq., all with exhibits thereto; Memorandum of Law; and Order to Show Cause with Temporary Restraining Order and Notice of Entry thereof upon:

J. Michael Lennon, Esq.
Roach Lennon & Brown, PLLC
535 Washington St., Suite 1000
Buffalo, NY 14203


James Ferris

Sworn to before me this
18th day of May, 2021.


Notary Public

Doc #9694475.1

MARIAN SARZYNIAK
No. 01SA6206283
Notary Public, State of New York
Qualified in Niagara County
My Commission Expires 05/18/2025